

## CURRICULUM VITAE

**Dong Yang**

**Assistant Professor** Department of Logistics and Maritime Studies  
**Deputy Director** Shipping Research Centre  
**Director** International Shipping and Transport Logistics MSc Programme  
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### Experience

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Dr. YANG Dong is now an assistant professor at Department of Logistics and Maritime Studies, Director of International Shipping and Transport Logistics Master Program, Deputy Director of Shipping Research Centre, the Hong Kong Polytechnic University. He is Associate Editor of *International Journal of Shipping and Transport Logistics* (IJSTL), *Maritime Business Review* (MBR) and *THE MARITIME Economist*. He also acts as guest editor of several prestigious journals including *Transportation Research Part E*, *Transport Policy*, *Maritime Policy & Management*, and etc.

Dr. YANG is Council Member of International Association of Maritime Economist (IAME) (2019 to now). He is Programme Chair of the 27th International Association of Maritime Economist Conference, Hong Kong (IAME 2020) and the co-chair of the 10<sup>th</sup> and 11<sup>st</sup> International Forum on Shipping, Ports and Airports (IFSPA2019 & IFSPA2021).

Dr. YANG obtained his PhD majoring in maritime logistics science from Kobe University (GPA 5/5), Japan in 2008. After that, he has successively served as assistant professor at Southern University of Denmark (2008-2010), research fellow at Centre for Maritime Studies, National University of Singapore (2010-2012), senior research fellow at China Waterborne Transport Research Institute (2013-2016). Meanwhile, he was the head of project section at APEC Port Services Network, an regional organization aiming at promoting APEC port development.

In Dr. YANG's previous career, he has chaired funding from various sources, including ESCAP of United Nations, APEC Transportation Working Group, National Natural Science Foundation of China (NSFC), National Natural Science Foundation of China (NSFC)/ Research Grants Council (RGC) Joint Research Scheme, Hong Kong Policy Research Fund (PPR), National Science Foundation of Guangdong Province, Hong Kong Marine Department and etc. He has published more than 40 SCI/SSCI papers in over 10 international academic journals including *Transportation Research Part A, B, E and D*, *Transport Reviews*, *Journal of Transport Geography*, *Transportation Science*, *Transport Policy*, *Maritime Policy & Management*, *Maritime economics & logistics*, *Accident Analysis & Prevention*, *Ocean Engineering*, *Journal of Navigation*, *Research in Transportation Business & Management* and etc.

His current research interests fall in technology innovation in shipping, clean energy application, co-evolution of shipping and regional economics, bulk shipping economic analysis, inland river shipping system development, port competition/cooperation analysis, Arctic shipping and so on.

杨冬博士是香港理工大学物流航运系助理教授，航运研究中心副主任，航运和物流硕士课程总监。08年神户大学（日本）博士毕业（GPA 5/5），09-10年在南丹麦大学（丹麦）任助理教授，10-12年新加坡国立大学航运研究中心任研究员，12-16年交通运输部水运科学研究院研究员（兼任国际组织亚太港口服务组织项目主任），曾多次代表交通运输部参加亚太经合组织交通工作组会议及双边海运会谈。16年开始任现职位。

杨冬博士是世界海运经济学协会（IAME）唯一来自亚洲的理事会会员，第二十八届世界海运经济学会年会（IAME 2020）执行主席，第十，十一届航运、港口和航空论坛（IFSPA 2019，2021）联席主席。国际航运领域知名期刊《International Journal of Shipping and Transport Logistics》，《Maritime Business Review》和《THE MARITIME Economist》副主编及多个交通物流类权威期刊（如：《Transportation Research Part E》，《Transport Policy》，《Maritime Policy & Management》，《International Journal of Transport Economics》）的客座编辑（Guest Editor），国家自然科学基金评审专家。

杨冬博士发表 SCI/SSCI 期刊论文 40 余篇，覆盖 10 个以上交通或海运类主流权威期刊，包括 *Transportation Research Part A, B, E and D*, *Transport Reviews*, *Journal of Transport Geography*, *Transportation Science*, *Transport Policy*, *Accident Analysis & Prevention*, *Ocean Engineering*, *Maritime Policy & Management*, *Journal of Navigation*, *Research in Transportation Business & Management* 等。

主持或联合主持多项国际和国家交通海运科研项目，资助机构包括联合国亚太经济社会委员会 (UNESCAP)，亚太经济合作组织交通运输工作组 (APEC)、国家自然科学基金委 (NSFC)、国家自然科学基金委 (NSFC) 和香港研究资助委员会 (RGC) 联合基金、香港政府政策基金 (PPR)、香港海事处、香港环境署、广东省自然科学基金委及多个港口和航运企业。最近的研究领域包括航运大数据(组队获得 2020 联合国航运大数据黑客竞赛全球第三名)、绿色航运、地区经济和港航系统协调发展、大宗货物国际航运经济性分析、内河运输体系演化和优化、新兴贸易通道分析等。

## **Publication**

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### **Journal papers:**

#### **2021**

- 1) Bai Xiwen, Hou Yao, **Yang Dong\***, Choose Clean Energy or Green Technology? Empirical Evidence from Global Ships. *Transportation Research Part E*, Volume 151: 102346, 2021
- 2) **Yang Dong**, Wu Lingxiao, Wang Shuaian, Can We Trust the AIS Destination Port Information? – Implications for Shipping Policy and Practice. *Transportation Research Part E*, Volume 149: 102308, 2021
- 3) Zhang Qiang, Yan Kai, **Yang Dong\***, Port system Evolution in Chinese coastal region: A provincial perspective, *Journal of Transport Geography*, Volume 92: 103031, 2021
- 4) **Yang Dong**, Theo Notteboom, Zhou Xin, Spatial, temporal and institutional characteristics of entry strategies in inland container terminals: A comparison between Yangtze River and Rhine River. *Journal of Transport Geography*, Volume 137: 102928, 2021
- 5) Xu Hua, **Yang Dong\***, LNG-fueled Container Ship Sailing on the Northern Sea Route: Economic and Emission Evaluation. *Transportation Research Part D*, Volume 137: 102556, 2021
- 6) Zhang Qiang, **Yang Dong**, Chen Yang, Port integration on the Yangtze River: Does it follow the "interest balance" pattern? *Transport Policy*, Volume 108, pp 83-94, 2021
- 7) Yan Ran, Mo Haoyu, Wang Shuaian, **Yang Dong**, Analysis and prediction of ship energy efficiency based on the MRV system, *Maritime Policy & Management*, online, 2021
- 8) de Souza Felipe Lobo Umbelino, Pitombo Ciria Souza, **Yang Dong**. Port choice in Brazil: a qualitative research related to in-depth interviews. *Journal of Shipping and Trade*. Volume 6, pp1-22, 2021
- 9) Wang Jing, **Yang Dong**, Chen Kaimin, Sun Xiaodong, Cruise dynamic pricing based on SARSA algorithm, *Maritime Policy & Management*, Volume 48, Issue 2, pp 259-282, 2021
- 10) 廖诗管, 杨冬\*, 白茜文, 翁金贤. 基于船舶大数据的港口装卸效率计算方法[J]. *交通运输系统工程与信息*, 21(02):217-223. 2021

#### **2020**

- 11) **Yang Dong**, Linge Zhang, Meifeng Luo, Li Feng, Does shipping affects the international iron ore trade? - An equilibrium analysis. *Transportation Research Part E*, Volume 144:102107, 2020
- 12) Chen Yang, Kan Tao, Wen Jiao, **Yang Dong\***, Investigating the underlying social psychology of the innovation adoption in container trucking industry. *Transportation Research Part A*, Volume 137, pp 259-270, 2020
- 13) Wu Lingxiao, **Yang Dong\***, Wang Shuaian and Yuan Yun, Evacuating offshore working barges from a land reclamation site in storm emergencies, *Transportation Research Part E*, Volume 137, pp 1-29, 2020
- 14) Liu Zihua, **Yang Dong\***, Ng Y. N. Eppie. A competitive analysis of port of Hong Kong: from external to internal. *Journal of Shipping and Trade*, Volume. 5, No.7, pp 1-17, 2020
- 15) Notteboom Theo, **Yang Dong\***, Xu Hua, Container barge network development in inland rivers: A comparison between the Yangtze River and the Rhine River (Best Paper of Y-RIB2018), *Transportation Research Part A*, Volume 132, pp 587-605, 2020
- 16) Chen Yang, **Yang Dong**, Lian Peng, Wan Zheng, Yang Yubin, Will Structure-Environment-Fit Result in Better Port Performance? An Empirical Test on the Validity of Matching Framework Theory, *Transport Policy*, Volume 86, pp 23-33, 2020
- 17) Weng Jinxian, Liao Shiguan, **Yang Dong**, Methodology for Estimating Waterway Traffic Capacity at Shanghai Estuary of the Yangtze River, *The Journal of Navigation*, Volume 73, Issue 1, pp 75-91, 2020
- 18) Weng Jinxian, Liao Shiguan, Wu Bing, **Yang Dong\***, Exploring Effects of Ship Traffic Characteristics and Environmental Conditions on Ship Collision Frequency, *Maritime Policy & Management*, Volume 47, Issue 4, pp 523-543, 2020
- 19) Chen Yang, Chao Yiying, **Yang Dong\***, Port Recentralization as a Balance of Interest, *Research in Transportation Business & Management*, Volume 34, pp 1-9, 2020

20) Yang Liqian, Chen Gang, Rytter Gorm Malý Niels, Zhao Jinlou and **Yang Dong**, A genetic algorithm-based grey-box model for ship fuel consumption prediction towards sustainable shipping. *Annals of Operations Research*, In Press.

## **2019**

21) **Yang Dong**, Wu Lingxiao, Wang Shuaian, Jia Haiying, Li Kevin X. How big data enriches the shipping research -- Review of Automatic Identification System data application in maritime studies, *Transport Reviews*, Volume 39, Issue 6, pp 755-773, 2019

22) Li Feng, **Yang Dong\***, Wang Shuaian, Weng Jingxian, Ship Routing and Scheduling Problem for Steel Plants Cluster alongside Yangtze River. *Transportation Research Part E*, Volume 122, pp 198-210, 2019

23) Weng Jinxian, **Yang Dong\***, Chai Tian, Fu Shanshan. Investigation of occurrence likelihood of human errors in shipping operations, *Ocean Engineering*, Volume 182, Issue 15, pp 28-37, 2019

24) Chang Zheng, Jinxian Weng, Qi Zhuang, **Yang Dong\***, Assess economic and environmental trade-off for inland port location, *International Journal of Shipping and Transport Logistics*, Volume. 11, issue 2-3, pp 243-261, 2019

25) Wang Shuaian, Yan Ran, Wu Lingxiao, **Yang Dong**, Optimal re-allocation of mooring areas for yachts, *Maritime Business Review*, Volume 4, No.1, pp 94-105, 2019

26) Chang Zhen, **Yang Dong**, Wan Yulai, Han Tingting, Analysis on the Features of Chinese Dry Ports: Ownership, Customs Service, Rail Service and Regional Competition, *Transport Policy*, Volume. 82, pp 107-116, 2019

## **2018**

27) **Yang Dong**, Jiang Liping, Ng Adolf, One Belt one Road, but several routes: A case study of new emerging trade corridors connecting the Far East to Europe, *Transportation Research Part A*, Volume 117, pp 190-204, 2018

28) Wu Lingxiao, Pan Kai, Wang Shuaian, **Yang Dong**. Bulk ship scheduling in industrial shipping with stochastic backhaul canvassing demand, *Transportation Research Part B*, Volume 117, pp 117-136, 2018

29) Weng Jinxian, **Yang Dong\***, Qian Ting, Huang Zhi, Combining Zero-inflated Negative Binomial Regression with MLRT Techniques: An Approach to Evaluating Shipping Accident Casualties, *Ocean Engineering*, Vol. 166, pp 135-144, 2018

30) Weng Jinxian, **Yang Dong\***, Gang Du, Generalized  $F$  distribution model with random parameters for estimating property damage cost in shipping traffic accidents, *Maritime Policy & Management*, Vol. 45, issue 8, 963-978, 2018

31) Xu Hua, **Yang Dong\***, Weng Jinxian. Economic Feasibility of an NSR/SCR-Combined Container Service on the Asia-Europe Lane: A New Approach Dynamically Considering Sea Ice Extent, *Maritime Policy & Management*, volume 45, issue 4, pp 514-523, 2018

32) Weng Jinxian, Li Guorong, Chai Tian and **Yang Dong**. Evaluation of Two-Ship Collision Severity using Ordered Probit Approaches, *The Journal of Navigation*, Volume 71, issue 4, pp 822-836, 2018

33) Wang Shuang, **Yang Dong**, Lu Jing, A connectivity reliability-cost approach for path selection in maritime transportation of China's crude oil imports, *Maritime Policy & Management*, Volume 45, issue 5, pp 567-584, 2018

34) **Yang Dong**, Pan Kai, Wang Shuaian. On Service Network Improvement for Shipping Liners under the One Belt One Road Initiative of China, *Transportation Research Part E*, Volume 117, pp 82-95, 2018

## **2017**

35) Zhang Lingge, Luo Meifeng, **Yang Dong**, Li Kevin.X. Impacts of trade liberalization on Chinese economy with OBOR, *Maritime Policy & Management*, Volume 45, Issue 3, pp 301-318, 2017

36) Guo Liquan, **Yang Dong**, Yang Zhongzhen. Port integration method in Multi-Port Regions (MPRs) based on the maximal social welfare of the external transport system, *Transportation Research Part A*, Volume 110, pp 243-257, 2017

37) **Yang Dong**, Wang Yujie, Xu Hua, Zhang Zhehui. Path to a multilayered transshipment port system: How the Yangtze River bulk port system has evolved, *Journal of Transport geography*, Volume 64, pp 44-64, 2017

38) **Yang Dong\***, Wang Shuaian. Analysis of the Development Potential of Bulk Shipping Network on the Yangtze River, *Maritime Policy & Management*, Volume 44, Issue 4, pp 512-523, 2017

## **2016**

39) Zheng Jianfeng, **Yang Dong\***, Hub-and-spoke network design for container shipping along the Yangtze River, *Journal of Transport geography*, Volume 55, pp 51-57, 2016

40) Song Liying, **Yang Dong**, Chin TH Anthony, Zhang, Guangzhi, He, Zhengbing, Guan, Wei & Baohua, Mao. A game-theoretical approach for modeling competitions in a maritime supply chain. *Maritime Policy & Management*, Volume 43, Issue 8, pp 976-991, 2016

41) Jose Tongzon, **Yang Dong**, The rise of Chinese ports and its impact on ports in East Asia, *Maritime Economics & Logistics*, Volume 18, Issue 1, pp 19-40, 2016

42) **Yang Dong\***, Wen Jinxian, Hu Jia, Coal containerization: Will it be an alternative mode of transport between north and south China in the future? *Maritime Business Review*, Volume 1, Issue 1, pp 76-87, 2016

## **2015**

- 43) Zheng Jianfeng, Gao Ziyou, **Yang Dong** and Sun Zhou. Network design and capacity exchange for liner alliances with fixed and variable container demands. *Transportation Science*, Volume 49, No. 4, pp.886-899, 2015
- 44) Wen Jinxian, **Yang Dong**, Investigation of Shipping Accident Injury Severity and Mortality, *Accident Analysis & Prevention*, Volume 76, pp 92-101, 2015

## **2014**

- 45) **Yang Dong\***, Anthony TH Chin, Chen Shun, Impact of Political and Economic Events, Port Reforms on the Evolution of Maritime Traffic in Chinese Ports, *Maritime Policy & Management*, Volume 41, Issue 4, pp 346-366, 2014
- 46) **Yang Dong**, Ong, G. P, Anthony TH Chin, An exploratory study on the effect of trade data aggregation on international freight mode choice, *Maritime Policy & Management*, Volume 41, Issue 3, pp 212-223, 2014 (Best Paper of IAME2012)

## **Before 2014**

- 47) **Yang Dong\***, Liu Miaoqia, Shi Xiaoning, Verifying the Liner Shipping Alliance's Stability by Applying Core Theory, *Research in Transportation Economics*, Volume 32, pp15-24, 2011
- 48) **Yang Dong**, Odani Michiyasu, A Conceptual Application of Game Theory into the Cooperative Freight Transportation System in Urban Area, *Journal of Japan Logistics Society*, Volume 17, pp 121-128, 2008
- 49) **Yang Dong**, Odani Michiyasu, An analysis on city freight cooperative transportation system using game theory, *Journal of the Eastern Asia Society for Transport Studies*, Volume 7, pp 989-1001, 2007

## **Papers under review:**

- 1) **Yang Dong**, Liao Shiguan, Bai Xiwen and Weng Jinxian, Methodology for Estimating Port Handling Efficiency Based on AIS and Maritime Open Data, Submitted to *Transportation Research Part E* on August, 2021
- 2) **Yang Dong**, Li Lu, Theo Notteboom, Are Chinese Enterprises' Investments in Overseas Container Ports Successful? The Role of Investor Attributes, Submitted to *Transport Policy* on August, 2021
- 3) Bai Xiwen, Chen Liangqi, **Yang Dong\***, Is the scale of a port equivalent to connectivity? Revisiting port connectivity measures with high-frequency satellite data, Submitted to *Journal of Transport Geography* on June, 2021
- 4) Wei Yim Yap, **Yang Dong**, Impact of COVID-19 pandemic on shipping connectivity in Southeast Asia: implications for post-pandemic competition landscape, Submitted to *Transport Policy* on August, 2021
- 5) Peng Wenhao; Bai Xiwen, **Yang Dong**; Yuen Kum Fai, Port congestion estimation and prediction using AIS data and a deep learning approach. Submitted to *Maritime Policy & Management* on March, 2021
- 6) Yan Ran, **Yang Dong\***, Bai Xiwen, Mo Yuhao, Wang Shuaian, Analysis and prediction of ship energy efficiency based on the MRV system. Submitted to *Transportation Science* on May, 2021
- 7) Yan Ran, Mo Yuhao, Yang Dong, Wang Shuaian, Development of denoising and compression algorithms for AIS-based vessel trajectories, Submitted to *Ocean Engineering* on May, 2021
- 8) Bai Xiwen, Xu Ming, **Yang Dong\***, Han Tingting, Quantifying the Impact of Pandemic Lockdown Policies on Global Port Calls, Submitted to *Transportation Research Part A* on June, 2021

## **Working paper:**

- 1) **Yang Dong**, Wan Yulai, Han Tingting, Comparison of cost functions in shipping and aviation transportation.
- 2) Bai Xiwen, Hou Yao, **Yang Dong\***, A data-driven approach for port congestion monitoring based on an automatic berth and anchorage area detection algorithm.
- 3) Zhang Lingge, **Yang Dong\***, Luo Meifeng, LNG trade contract reconsideration.
- 4) Li feng, **Yang Dong\***, Wang Shuaian, A Branch-and-Price Algorithm for Bunkering Tankers Dispatching Problem in Maritime Transportation.
- 5) Xu Hua, **Yang Dong\***, Spatial Oscillation of Industrial Location in a Sequential Industrial Chain, under revision.

## **Book (Chapter) publication:**

- 1) Yang, D., Liu, Q., Jiang, L., Zhang, W. and Chu, W., 2018. Part III: China, the People's Republic of (PRC). In: Duru Okan (Eds.), *Maritime business and economics* (pp. 99-137). Routledge. ISBN 9781138400368
- 2) Wan, Y., Yang, D., 2021. Freight Costs: Air and Sea. In: Vickerman Roger (Eds.), *International Encyclopedia of Transportation* (pp. 36-45). Elsevier. ISBN: 9780081026717

3) Yang, D., Li, L., 2021. The Investment Efficiency of Overseas Port: Three Macroscopic Factors. In: *Market Development and Policy Implications - Analysing the transport and logistics industry in the Belt and Road region*, Elsevier, In Press

### ***Selected Projects Involvement***

起止时间 Time	项目性质和来源 Nature and Source of the Project	经费总额 Total Amount of Budget	参与人数 Number of Participants	具体职位和任务 Position and Responsibilities
2021-2022	<u>Hong Kong Marine Department</u> : Assessment of Typhoon Shelter Space Requirements	HKD 1,121,750	5	项目主持人领导整个项目 (Principal Investigator, PI)
2021-2022	<u>PICO Public Policy Research Funding Scheme</u> : Policy Recommendations on Port Collaboration and Maritime Industry Sustainable Development of Hong Kong under the Great Bay Area Initiative	HKD 581,785	5	项目主持人领导整个项目 (Principal Investigator, PI)
2020-2023	<u>National Natural Science Foundation of China (NSFC)</u> : Modeling and analysis of the spatial-temporal heterogeneity in tramp ship transportation based on real time position data of individual ship	RMB 486,000	7	项目主持人领导整个项目 (Principal Investigator, PI)
2021-2023	<u>National Science Foundation of Guangdong Province</u> : Investigate Port collaboration in the Great Bay Area: a big data approach.	HKD 119,998	7	项目主持人领导整个项目 (Principal Investigator, PI)
2017-2020	<u>National Natural Science Foundation of China (NSFC) / Research Grants Council (RGC) Joint Research Scheme</u> : Dynamic Revenue Management and Fleet Management for Stochastic Container Leasing System	HKD 1,008,000	3	项目主持人领导整个项目 (Principal Investigator, PI)
2020-2021	<u>PICO Public Policy Research, Hong Kong</u> : Data-Driven Port State Control (PSC) Policies: Improving Maritime Safety and Promoting Green Shipping	HKD 217,350	4	联合主持 (Co-PI)
2019-2022	<u>Department of Science and Technology of Guangdong Province (GDSTC)</u> : Big data-driven policy research on reducing air emissions from ships in the Pearl River Delta	HKD 111,180	3	联合主持 (Co-PI)
2016-2020	<u>Hong Kong Polytechnic University</u> : Evaluation of the Emerging New Container Transport Routes between China and Europe	HKD 200,000	1	项目主持人领导整个项目 (Principal Investigator, PI)
2017-2019	<u>Hong Kong Polytechnic University</u> : Analysis on the co-evolution between the containerized trade flows from China and the relocation of manufacturing to the developed countries	HKD 105,000	1	项目主持人领导整个项目 (Principal Investigator, PI)
2019-2021	<u>Hong Kong Polytechnic University</u> : A Mixed Complementarity-based Equilibrium Model of International Iron Ore Markets	HKD 48,734	1	项目主持人领导整个项目 (Principal Investigator, PI)
2016-2019	<u>Hong Kong Polytechnic University</u> : Study on the Mechanism of Interaction between World Container Port System and Manufacturing Distribution Pattern under the New Economic Geography Framework	HKD 155,000	1	项目主持人领导整个项目 (Principal Investigator, PI)
2016-2018	<u>Hong Kong Polytechnic University</u> : The Iron Ore Transshipment System in Yangtze River: Evolution, Ports Competition and Development	HKD 65,000	1	项目主持人领导整个项目 (Principal Investigator, PI)
2016-2017	<u>UN ESCAP</u> : Logistics Integration for a more	USD 24,000	1	项目主持人领导整个项目 (Principal Investigator, PI)

	Sustainable Exploitation of Natural Resources in Latin America and the Caribbean, Economic and Social Commission for Asia and the Pacific			个项目 (Principal Investigator, PI)
2018-2020	<u>HK Environment and Conservation Fund:</u> Optimal deployment of drones for monitoring air pollution from ships in the Pearl River Delta domestic emission control area.	HKD 484,000	3	联合主持 (Co-PI)
2018-2020	<u>National Natural Science Foundation of China (NSFC):</u> Operations Optimization for Liner Shipping Service Network Considering Vessels' Exhaust Gas Emission Control	RMB 190,000	6	联合主持 (Co-PI)
2013-2014	<u>APEC Funded Project:</u> Maximizing Energy Efficiency of Supply Chain Connectivity through Improving Rail-waterway Intermodal Container Transport (RWICT) in APEC Economies	USD 50,050	5	联合主持 (Co-PI)
2013-2014	<u>APEC Funded Project:</u> Study on the Reduction of Energy Consumption and Prevention of Harmful Exhaust Emissions from International Shipping in the APEC Region	USD 60,000	5	联合主持 (Co-PI)

### Teaching Courses

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- 1) MSc: Transport Logistics in China, The Hong Kong Polytechnic University, 2017-2021
  - 2) BA: Liner shipping management, The Hong Kong Polytechnic University, 2017-2021
  - 3) BA: Economics of International Transport Logistics, The Hong Kong Polytechnic University, 2017-2021
  - 4) BA: Global Management and Manufacturing, University of Southern Denmark, 2010
  - 5) MSc: Maritime transportation, CMM11, 6 ECTS, University Centre of Westfjords, Iceland, 2010
  - 6) MSc: Maritime transportation, CMM11, 6 ECTS, University Centre of Westfjords, Iceland, 2010
- Average SFQ: 4.5/5.0

### Award

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Excellent paper prize, World Transport Convention 2021, Xi'an China  
Shortlisted manuscript in the award for the best *Maritime Policy & Management* paper 2020  
Best paper prize, The 3<sup>rd</sup> Conference of the Yangtze-River Research and Innovative Belt, 2020 (Y-RIB 2020)  
3<sup>rd</sup> Place of Global AIS Big Data Hackathon, organized by the United Nations, 2020  
PolyU Faculty of Business School Fellow Award, Hong Kong Polytechnic University, 2019  
Best paper prize, The 1<sup>st</sup> Conference of the Yangtze-River Research and Innovative Belt, 2018 (Y-RIB 2018)  
Second prize of Liaoning Province Natural Science Scholastic Attainment (2016)  
Outstanding Employee of 2014, China Waterborne Transport Research Institute, Ministry of Transport, China  
Best paper prize: "HANJIN PRIZE" (3,000 US dollar), International Association of Maritime Economists, 2012 Annual Conference in Taipei (IAME 2012)  
Outstanding Graduate title of Bachelor degree (top 5%)

### Services

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#### Editorial experience

Associate Editor of *International Journal of Shipping and Transport Logistics (IJSTL)*  
Associate Editor of *Maritime Business Review (MBR)*  
Associate Editor of *THE MARITIME Economics (ME-MAG)*  
Editorial board member of *Journal of Shipping and Trade (JST)*

Guest editor (leading) of *Transportation Research Part E*

“Decarbonization and digitalization in shipping and transport logistics”, 2019

Guest editor (leading) of *Transport Policy*

“Innovative Solutions for Shipping Market Turmoil”, 2017

“Integration and Cooperation of International Trade Transport in the Context of Globalization”, 2020

“Maritime technological development and transport policy”, 2021

Guest editor of *Maritime Policy & Management*

“Environment and Sustainability”, 2019

“Decarbonisation in Shipping”, 2021

### **Professional association and organization**

Council Member of International Association of Maritime Economists

Programme Chair of the 28<sup>th</sup> International Association of Maritime Economists Conference, Hong Kong (IAME 2020)

Co-chair of the 10<sup>th</sup> International Forum on Shipping, Ports and Airports (IFSPA 2019)

Co-chair of the 11<sup>th</sup> International Forum on Shipping, Ports and Airports (IFSPA 2021)

Member of CY Tung International Center for Maritime Studies Management Committee

### **University/Department Service**

Director of International Shipping and Transport Logistics Master programme, PolyU

Deputy Director of Shipping Research Centre (SRC)

WIE Coordinator (ISTL)

Member of Faculty Learning and Teaching Committee (FLTC)

Member of Departmental Postgraduate Programme Committee (DPPC)

Member of Departmental Learning and Teaching Committee (DLTC)

Department Undergraduate Student Academic Advisor, BBA-ISTL (2016-now)

Reviewer of National Natural Science Fund

**Ad hoc paper referee of more than 30 journals**

### ***Postgraduate Research Students Supervised***

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Xiaoxin, Huang, PhD, co-supervisor, in progress since 2021

Chung Lam, Ng, PhD, co-supervisor, in progress since 2021

Lu, Li, PhD, chief supervisor, in progress since 2020

Dong, Chen, PhD, chief supervisor, in progress since 2020

Tingting, Han, PhD, co-supervisor, in progress since 2019

Lingge, Zhang, PhD, chief supervisor, in progress since 2016

### ***Invited Talk***

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1. Panelist: Industry reform and upgrading driven by technology creations, *World Maritime Merchants Forum*, Hong Kong SAR, Oct 2021
2. Invited presentation: An AIS based Real-time Port Performance Monitoring Platform, *Brown Bag Seminar, United Nations Statistics Division*, online, Nov 2020
3. Invited presentation: Improving Bulk Shipping Efficiency with Individual Ship Position Data, *International Seminar on the Usage of AIS and Vessel Movement Data for Logistics Research and Industry*, Tokyo University, Dec 2019
4. Panelist: Big data application and development in Shipping, *China Supply Chain Summit Forum*, Fuzhou, China, May 2019
5. Invited presentation and round table discussion MC: International Green Port Experience Exchange, *Annual workshop of APEC Port Service Network*, Beijing, China, Apr 2018
6. Keynote presentation: Path to Develop a Transport Project in China: A Case Study of New Emerging Trade Corridors

Connecting Far East to Europe, *The Tenth International Conference on Traffic & Transportation Studies (ICTTS'2018)*, Beijing, China, Jul 2018

7. Invited presentation: Cruise and tourism industry outlook for China, *PECC (Pacific Economic Cooperation Council) seminar: Coping with Uncertainties in Ports and Shipping*, Auckland, New Zealand, Dec 2016
8. Invited presentation: The development of Green Port in APEC and Green Port Award System, *PECC (Pacific Economic Cooperation Council) seminar: Sustainability and Beautification of Ports*, Busan, Korea, Apr 2016
9. Invited lecturer. *3<sup>rd</sup> APEC Training Course on "Common Principles to Shipping Policy"*, Bangkok, Thailand, Dec 2015
10. Invited presentation: The development of Chinese ports. *APEC Workshop on Supply-chain Benefits of Electronic Information Exchange between Seaports in Selected APEC Economies*, Shanghai, Feb 2013