Curriculum Vitae

Haiying JIA

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Education

2002-2006	Ph.D. in Finance, Cass Business School (Bayes Business School), London, the United Kingdom
1998-2001	M.Sc. in Shipping Economics, Dalian Maritime University, China
1994-1998	Bachelor of Engineering, Dalian Maritime University, China

Working experience

12.2022 – present	Professor. Department of Business and Management Science, Norwegian School of Economics, Norway
08.2022 – 12.2022	Visiting Professor. School of Engineering, the University of Tokyo, Tokyo, Japan
08.2019 – 11.2022	Assistant Professor. Department of Business and Management Science, Norwegian School of Economics, Norway
05.2018 – 08.2019	Visiting Scholar. Centre for Transportation & Logistics, Massachusetts Institute of Technology, Cambridge, US
11.2014 – 08.2019	Researcher. Centre for Applied Research SNF at Norwegian School of Economics, Norway
05.2011 – 06.2014	Managing director, Entrepreneur. Frey Partners AS, Norway/Hong Kong
03.2006 – 07.2009	Investment Analyst. Gugner Partners LLP, London, UK
11.2003 – 03.2005	Investment quantitative analyst. ORN Capital LLP, London, UK

03.2001 – 03.2002   Research Assistant. Hong Kong Polytechnic University, Hong Kong

Research projects

2018-2022   SmartDigital, Smart Digital Contracts and Commercial Management, Application author and Project leader, NOK 12.7m (USD 1.7m), Norwegian Research Council knowledge building project, partner with UCL, MIT, Kedge Business School and U. of Nantes, BIMCO, Bergen Shipowner Association, Wikborg Rein

2016 - 2019   REEalSea, Real Energy Efficiency and Emissions in the Seaway, co-operation with Nanyang Technical University, Singapore.   NOK11.8 million total budget (USD 1.3m) from the Research Council of Norway MAROFF programme and Singapore Maritime Institute, with industry partners SKS Tankers and DNV GL Singapore.

2014 - 2017   GREENSHIPRISK, Green shipping under uncertainty, NOK12.5 million total budget (USD 1.4m), Research Council of Norway MAROFF programme and industry partners shipowners Odfjell ASA and Western Bulk AS.

2014 - 2016   CARGOMAP – Mapping vessel behaviour and cargo flows, NOK6 million total budget (USD 0.7m), Research Council of Norway SMARTRANS programme.

Teaching

2019 – present

Ship Finance and Marine Insurance, FIE460

- Master course
- Focuses on financing markets for shipping assets, as well as insurance coverage for the business

Shipping Economics and Analytics, ENE431

- Master course
- An in-depth analytical course on economics, business risk management, environmental issues and business strategies in the shipping industry
- This is a long-standing course at NHH, I Started teaching in the fall semester in 2019, with Prof. Roar Adland after Prof. Siri. Strandenes retirement.

Maritime Economics, FOR18

- Bachelor course
- Fundamental economics of maritime transportation

2015-2017

Big Data in Shipping, guest lecture, master level – Norwegian School of Economics

2003-2004

Advanced Excel Computing, TA, master level – Cass Business School

Quantitative methods and business mathematics, undergraduate level – Cass Business School

2001-2002

International trade, TA, undergraduate level - Hong Kong Polytechnic University

Supervision

PhD (primary supervisor)

2020- present   Paulo Azevedo "Green ship finance"

Master theses

- 2022H: Schopp and Loklingholm "Sustainability link debt"
- 2022H: Mykleby-Skaara and Mykleby-Skaara "Tanker vessel green premium"
- 2022H: Fredrik Lien Madsen and Andreas Aas "Cost of Capital and SLB"
- 2021H: Sivertsen and Baksjoberget "Communicating sentiment through vessel
  2021V: Ebrahimi and Jahjolli "Vessel valuation using machine learning"
- 2021V: Kumar and Solli "Green bonds in shipping transactions"

Publications in international peer-reviewed journals

1. Bai, X., H. Jia and M. Qi. (2022). Identifying port congestion and evaluating its impact on maritime logistics. *Maritime Policy & Management. doi.org/10.1080/03088839.2022.2135036*

2. Cariou, P., E. Lindstad and H. Jia. (2021). The impact of an EU ETS on oil trades. *Transportation Research Part D.* DOI: 10.1016/j.trd.2021.102992.

3. Adland, R., H. Jia., H. C. O. Harve, and J. Jorgensen (2021). Second-hand vessel valuation an Extreme Gradient Boosting approach. *Maritime Policy & Management.* DOI: 10.1080/03088839.2021.1969601.

4. Bai, X., H. Jia and M. Xu. (2021). Port congestion and the economics of LPG seaborne transportation. *Maritime Policy & Management*. DOI: 10.1080/03088839.2021.1940334.

5. Tran, N.K., J.S.L. Lam, H. Jia and R. Adland. (2021). Emissions from container vessels in the port of Singapore. *Maritime Policy & Management.* DOI: 10.1080/03088839.2021.1980236.

6. Adland, R., H. Jia., T. Lode, and J. Skontorp (2021). The value of meteorological data in marine risk assessment. *Journal of Reliability Engineering and System Safety*. 209: 107480.

7. Bai, X., H. Jia and M. Xu. (2021). A dynamic feedback system analysis on the mechanism of shipping freight. *Industrial Engineering and Engineering Management IEEM conference proceeding*. Singapore 13-16 December 2020.

8. Greene, S., H. Jia and G. Rubio-Domingo. (2020). Well-to-tank carbon emissions from crude oil maritime transportation. *Transportation Research Part D*. 88: 102587.

9. Jia, H., R. Adland, and Y. Wang. (2020). Global Oil Export Destination Prediction: A Machine Learning Approach. *Energy Journal*. 42(4): 111-130.

10. Jia, H., J.S.L. Lam and N.K. Tran, (2020). Spatial variation of travel time uncertainty in container shipping. *Transportation Research Procedia*. 48: 1740-1749.

11. Jia, H., Adland, R., and Y. Wang (2019). Latin American oil export destination choice: a machine learning approach. *Industrial Engineering and Engineering Management IEEM conference proceeding.* Macau December 2019.

12. Yang, D. L. Wu, S. Wang, H. Jia & K. X. Li (2019). How big data enriches maritime research: a critical review of Automatic Identification System (AIS) data applications. *Transport Reviews*. DOI: 10.1080/01441647.2019.1649315.

13. Adland, R. and Jia, H. (2019). Contractual Barriers and Energy Efficiency in the Crude Oil Supply Chain. *Industrial Engineering and Engineering Management IEEM conference proceeding*. Bangkok 16-19 December 2018.

14. Jia, H. (2018). Crude oil trade and green shipping choices. *Transportation Research Part D*. 65: 618-634.

15. Jia, H., V. Prakash, and T. Smith (2018). Estimating vessel payloads using AIS data in bulk shipping. *International Journal of Shipping and Transport Logistics*. 11(1): 25-40.

16. Adland, R., P. Cariou, H. Jia and F.C. Wolff. (2018). The energy efficiency effects of periodic hull maintenance. *Journal of Cleaner Production*. 178: 1-13.

17. Jia, H., O. D. Lampe, V. Solteszova and S. P. Strandenes. (2017). Norwegian port connectivity and its policy implications. *Maritime Policy & Management*. DOI: 10.1080/03088839.2017.1366080.

18. Jia, H., R. Adland, V. Prakash and T. Smith. (2017). Energy efficiency with the application of virtual arrival policy. *Transportation Research Part D*. 54: 50-60. (co-authored with).

19. Adland, R., G. Fonnes, H. Jia, D. O. Lampe, and S.P. Strandenes. (2017). The impact of regional environmental regulations on empirical vessel speeds. *Transportation Research Part D*. 53: 37-49.

20. Jia, H. D. O. Lampe, V. Solteszova and S.P. Strandenes. (2017). An automatic algorithm for generating seaborne transport pattern maps based on AIS. *Maritime Economics and Logistics*. 19(4): 619-630.

21. Adland, R., H. Jia and S.P. Strandenes. (2017). Are AIS-based trade volume estimates reliable? The case of crude oil exports. *Maritime Policy & Management*. 44(5): 657-665.

22. Adland, R., H. Jia and S.P. Strandene. (2017). Simulating physical basis risks in the Capesize freight market. *Maritime Economics and Logistics*. 19(2): 196-210 DOI: 10.1057/s41278-016-0053-5.

23. Adland, R., H. Alger J. Banyte and H. Jia. (2017). Does fuel efficiency pay? Empirical evidence from the drybulk timecharter market revisited. *Transportation Research Part A*. 95: 1-12.

24. Adland, R., H. Jia and S. P., Strandenes (2017). The determinants of vessel capacity utilization: the case of Brazilian iron ore exports. *Transportation Research Part A*. DOI:10.1016/j.tra.2016.11.023.

25. Adland, R. and Jia, H. (2016). Vessel speed analytics using satellite-based ship position data. *Industrial Engineering and Engineering Management IEEM conference proceeding.* Bali 4-7 December 2016.

26. Adland, R. and Jia, H. (2016). Dynamic speed choice in bulk shipping. *Maritime Economics and Logistics*. DOI:10.1057/s41278-016-0002-3.

27. Adland, R. and Jia, H. (2015). Shipping market integration: The case of sticky newbuilding prices. *Maritime Economics and Logistics*. 17(4): 389-398.

28. Adland, R. and Jia, H. (2008). Charter market default risk: A conceptual approach. *Transportation Research Part E*. 44(1) 152-163.

29. Adland, R., H. Jia and J. Lu. (2008). Price Dynamics in the Market for Liquid Petroleum Gas Transport. *Energy Economics*. 30(3) 818-828.

30. Adland, R., H. Jia and S.P. Strandenes. (2006). Asset bubbles in shipping? An analysis of recent history in the dry bulk market. *Maritime Economics and Logistics*. 8: 223-233.

31. Adland, R., H. Jia. and S. Koekebakkera (2004). The Pricing of Forward Ship Value Agreements and the Unbiasedness of Implied Forward Prices in the Second-hand Market for Ships. *Maritime Economics and Logistics.* 6(2) 109-121.

Dissemination via media and presentation for the business community

- Media article: Can smart contracts reduce the cost, inefficiency of demurrage claims? Journal of Commerce, 2019.

- Business journal: Smart contracts in international trade: demurrage first? *Commodities in Focus,* Stephenson Harwood, London, 2020.
- Leadership NHH Shipping conference presentations 2018-2019
- Representing NHH to present in NMU-CMU Symposium (China-Norway consortium of Marine Universities) 2022

International conference participation:

- IAME, International Association of Maritime Economists conference, 2015, 2016, 2017, 2018, 2020, 2021，2022
- IEEM, Industrial Engineering and Engineering Management, Annual conferences 2019, 2020
- IAEE, International Association of Energy Economist 2016, 2018, 2019, 2022
- WCEAM, World Congress on Engineering Asset Management, 2017
- WCTR, World Conference on Transportation Research, 2016, 2019
- LOGMS, Logistics and Maritime Studies, 2015, 2017
- IFSPA, International Forum on Shipping, Ports and Airports, annual conferences, 2017, 2019
- INFORMS, The Institute for Operations Research and the Management Sciences, 2015
- European Financial Association (EFA) conference, Zurich 2006.
- OBOR, International Conference on Silk Road Economic Belt and the 21st Century Maritime Silk Road for Transportation and Global Supply Chain, 2016
- Leadership NHH Shipping conference, 2018, 2019