

CURRICULUM VITAE

Hartanto Wijaya Wong

Department of Economics and Business Economics, Aarhus BSS
Universitetsbyen 51, 1816, 442
8000 Aarhus C
E-mail: hwong@econ.au.dk

EDUCATIONS

Ph.D. (Industrial Management), Faculty of Engineering, Katholieke Universiteit Leuven, Belgium, 2004.

Thesis: Pooling of repairable spare parts: a study on inventory policies.

Assessment committee members: D. Cattrysse (advisor, K.U.Leuven), D. Van Oudheusden (co-advisor, K.U.Leuven), F. Roodhooft (K.U.Leuven), Z. Degraeve (London Business School), L. Pintelon (K.U.Leuven), G.J. van Houtum (T.U.Eindhoven), M. Lambrecht (K.U.Leuven)

M.Sc. (Industrial Management), Faculty of Engineering, Katholieke Universiteit Leuven, Belgium, 1995.

B.Sc. (Industrial Engineering), Institut Teknologi Bandung, Indonesia, 1990.

ACADEMIC APPOINTMENTS

Full Professor, Department of Economics and Business Economics, Aarhus BSS, Aarhus University, Denmark, June 2024 – present.

Associate Professor, Department of Economics and Business Economics, Aarhus BSS, Aarhus University, Denmark, July 2010 – May 2024.

RCUK Academic Fellow, Cardiff Business School, Cardiff University, United Kingdom, September 2005 - June 2010.

Postdoctoral Research Fellow, Centre for Industrial Management, Faculty of Engineering, Katholieke Universiteit Leuven, Belgium, July 2004 - August 2005.

Research Associate, Centre for Industrial Management, Faculty of Engineering, Katholieke Universiteit Leuven, Belgium, September 1999 – June 2004.

Lecturer, Department of Industrial Engineering, Catholic University of Parahyangan, Indonesia, September 1993 – August 1999.

VISITING POSITIONS

Visiting Research Scholar, Department of Business Administration, University of Illinois at Urbana-Champaign, USA, July-September 2016.

RESEARCH INTERESTS

General theme: Supply Chain and Logistics Management with Operational Research (OR) methodology.

Research interests: Service Parts Logistics, Mass Customization, Product Line Design, Interface between Marketing and Operations, Supply Chain Network Design; Supply chain sustainability and resilience.

RESEARCH GRANTS / RESEARCH PROJECT MANAGEMENT

- AUFF NOVA Grant (2022, DKK 1,300,000) – Principal Investigator for project “Towards designing a shockproof supply chain network”.
- AUFF Mobility Grants (2016, DKK 50,000) – 3 months visit to Department of Business Administration, University of Illinois at Urbana-Champaign, USA.
- Principal Investigator for project “Ultimate Customisation-Design and Deliver”, funded by EPSRC-Cardiff University Innovative Manufacturing Research Centre (2008-2010, GBP 120,000).
- Work module leader for project “Technology management for emerging and disruptive manufacturing technology”, funded by EPSRC-Cardiff University Innovative Manufacturing Research Centre (2008-2010, GBP 350,000).
- Academic Supervisor for Knowledge Transfer Partnership (KTP) project in collaboration with Ortho-clinical Diagnostics, part of the Johnson & Johnson Group (2009-2010, GBP 130,000)

LIST OF PUBLICATIONS

Journal Articles

1. Darmawan, A., Wong, H. and Fransoo, J. Supply chain network design with the presence of the bullwhip effect. *International Journal of Production Economics* 286, 109668.
2. Murtiningrum, A.D., Darmawan, A. and Wong, H. 2022. The adoption of electric motorcycles: A survey of public perception in Indonesia. *Journal of Cleaner Production*, 379, Part 2.
3. Darmawan, A., Wong, H. and Thorstenson, A. 2021. Supply chain network design with coordinated inventory control. *Transportation Research Part E: Logistics and Transportation Review*, 145.
4. Wong, H., Kim, K. and Chhajed, D. 2021. Reducing channel inefficiency in product line design. *International Journal of Production Economics*, 232.
5. Tookanlou, P.B. and Wong, H. 2020. Product line design with vertical and horizontal consumer heterogeneity: the effect of distribution channel structure on the optimal quality and customization levels. *European Journal of Marketing* 55 (1), pp. 95-131.
6. Darmawan, A., Wong, H. and Thorstenson, A. 2020. Integrated sales and operations planning with multiple products: Jointly optimizing the number and timing of promotions and production decisions. *Applied Mathematical Modelling* 80, pp. 792-814.
7. Tookanlou, P.B. and Wong, H. 2020. Determining the optimal customization levels, lead times and inventory positioning in vertical product differentiation. *International Journal of Production Economics* 221, 107479.

8. Wong, H., Lesmono, D., Kim, K. and Chhaged, D. 2019. On the evaluation of commonality strategy in product line design: The effect of valuation change and distribution channel structure. *Omega: The International Journal of Management Science* 83, pp. 14-25.
9. Wong, H. and Lesmono, D. Conflicting quality attributes, distribution channel structure and product line length in quality-based segmentation. 2019. *IMA Journal of Management Mathematics* 30 (1), pp. 125-147.
10. Darmawan, A., Wong, H. and Thorstenson, A. 2018. Integration of promotion and production decisions in sales and operations planning. *International Journal of Production Research* 56 (12), pp. 4186-4206.
11. Wong, H. and Huang, C.Y. 2014. Innovation in production research. *International Journal of Production Economics* 147, pp. 1-2.
12. Wong, H. and Lesmono, D. 2013. On the evaluation of product customization strategies in a vertically differentiated market. *International Journal of Production Economics* 144, pp. 105-117.
13. Wong, H. and Evers, D. An analytical framework for evaluating the value of enhanced customisation: an integrated operations-marketing perspective. *International Journal of Production Research* 49, pp. 5779-5800.
14. Wong, H., Potter, A. and Naim, M. 2011. Evaluation of postponement in a soluble coffee supply chain: A case study. *International Journal of Production Economics* 131, pp. 355-364.
15. Wong, H., Wikner, J. and Naim, M. 2010. Evaluation of postponement in manufacturing systems with non-negligible changeover times. *Production Planning and Control* 21 (3), pp. 258-273.
16. Van Houtum, G-J. and Wong, H. 2009. Stochastic models for supply chains-Introduction to the special issue. *International Journal of Production Economics* 121 (2), pp. 651-653.
17. Wong, H., Wikner, J. and Naim, M. 2009. Analysis of form postponement based on optimal positioning of the differentiation point and stocking decisions. *International Journal of Production Research* 47 (5), pp. 1201-1224.
18. Van Utterbeeck, F., Wong, H., Van Oudheusden, D. and Cattrysse, D. 2009. The effects of resupply flexibility on the design of service parts supply systems. *Transportation Research Part E: Logistics and Transportation Review* 45 (1), pp. 72-85
19. Wong, H., Van Oudheusden, D. and Cattrysse, D. 2007. Two-echelon multi-item spare parts systems with emergency supply flexibility and waiting time constraints. *IIE Transactions* 39 (11), pp. 1045-1057
20. Wong, H., Kranenburg, B., Van Houtum, G.J. and Cattrysse, D. 2007. Efficient heuristics for two-echelon spare parts inventory systems with an aggregate mean waiting time constraint per local warehouse. *OR Spectrum* 29 (4), pp. 699-722.
21. Wong, H., Oudheusden, D.V. and Cattrysse, D. 2007. Cost allocation in spare parts inventory pooling. *Transportation Research Part E: Logistics and Transportation Review* 43 (4), pp. 370-386
22. Wong, H., Van Houtum, G.J., Cattrysse, D. and Van Oudheusden, D. 2006. Multi-item spare parts systems with lateral transshipments and waiting time constraints. *European Journal of Operational Research* 171 (3), pp. 1071-1093
23. Wong, H., Van Houtum, G.J., Cattrysse, D. and Van Oudheusden, D. 2005. Simple, efficient heuristics for multi-item multi-location spare parts systems with lateral transshipments and waiting time constraints. *Journal of the Operational Research Society* 56 (12), pp. 1419-1430.
24. Wong, H. 2005. Pooling of repairable spare parts: A study on inventory policies. *4OR: A Quarterly Journal of Operations Research* 3 (3), pp. 253-256

25. Wong, H., Cattrysse, D. and Van Oudheusden, D. 2005. Inventory pooling of repairable spare parts with non-zero lateral transshipment time and delayed lateral transshipments. *European Journal of Operational Research* 165 (1), pp. 207-218
26. Wong, H., Cattrysse, D. and Van Oudheusden, D. 2005. Stocking decisions for repairable spare parts pooling in a multi-hub system. *International Journal of Production Economics* 93-94, pp. 309-317

Book Chapters

1. Wong, H. and Eyers, D. R. 2009. Enhancing Responsiveness for Mass Customization Strategies through the use of Rapid Manufacturing Technologies. In: Cheng, T.C.E. and Choi, T. eds. *Springer Handbook on Innovative Quick Response Programs in Logistics and Supply Chain Management*. Heidelberg: Springer-Verlag, pp. 205-226.
2. Wong, H. and Naim, M. 2011. Re-examining postponement benefits: An integrated production-inventory and marketing perspective. In: Fogliatto, F. and Silveira, G.J.C. da, eds. *Mass Customization: Engineering and Managing Global Operations. Springer Series in Advanced Manufacturing*. London: Springer-Verlag, pp. 305-330.

Business Magazine

- Eyers, D. R. and Wong, H. 2009. Rapid Manufacturing for Mass Customisation. *Operations Management* (35) 2 23-27

PHD SUPERVISION

- Qiuping Ma, Department of Economics and Business Economics, Aarhus BSS, Co-Supervisor, completed March 2023.
- Agus Darmawan, Department of Economics and Business Economics, Aarhus BSS, Main Supervisor, completed November, 2018.
- Parisa Bagheri Tookanlou, Department of Economics and Business Economics, Aarhus BSS, Main Supervisor, completed April 2018.

PHD ASSESSMENT COMMITTEE

- Johan Bjerre Bach Clausen (2022, Aarhus University, chairman of the assessment committee)
- Ata Jalili Marand (2018, Aarhus University, chairman of the assessment committee)
- Poorya Farahani (2011, Technical University of Denmark, member of the assessment committee)
- Bisheng Du (2011, Aarhus University, chairman of the assessment committee)
- Hamad Al-kaabi (2006, Cardiff Business School, member of the assessment committee)

ADMINISTRATIVE TASK

- Program Coordinator – Master’s degree program in Logistics and Supply Chain Management, BSS, Aarhus University (2013-2016)

TEACHING EXPERIENCE

Aarhus University, Business and Social Sciences

- Supply Chain Design and Management, core course for M.Sc. in Operations and Supply Chain Analytics, elective course for M.Sc. in Economics and Business Administration (2015-present)
- Service Analytics: From Data to Decisions (2025-present)
- Applied Project in Service Analytics (2025-present)
- Category, Stock and Brand Management, core course for M.Sc. in Commercial and Retail Management, elective course for M.Sc. in Economics and Business Administration (2026-present)
- Operations Management (Virksomhedsøkonomi), Executive MBA (2024-present)
- Research Processes in Operations Research with Applications in Logistics, Ph.D. course, Department of Economics and Business Economics (2016-2019)
- Applied modelling in Operations and Supply Chains, core course for M.Sc. in Operations and Supply Chain Analytics, elective course for M.Sc. in Economics and Business Administration (2021-2024)
- Applied Modelling in Logistics, core course for M.Sc. in Logistics and Supply Chain, elective course for M.Sc. in Economics and Business Administration (2016-2020)
- Supply Chain Management: Strategy and Design, core course for M.Sc. in Logistics and Supply Chain, elective course for M.Sc. in Economics and Business Administration (2010-2014)
- Research Methods in Logistics, core course for M.Sc. in Logistics and Supply Chain, elective course for M.Sc. in Economics and Business Administration (2012-2013)
- Internship, elective course for M.Sc. in Logistics and Supply Chain, (2010-present)
- Operations Management, 2nd year B.Sc. in Economics and Business Administration (2016-2017)
- Operations and Supply Chain Management, 1st year B.Sc. in Economics and Business Administration (2011-2014)
- Seminar in Business Studies, 2nd year B.Sc. in Economics and Business Administration (2011-2014)
- Project-based internship (2011-present)
- B.Sc. thesis supervision (2016-present)
- M.Sc. thesis supervision (2011-present)

Cardiff University, Cardiff Business School

- Logistics and Transport Modelling, elective course for M.Sc. in Logistics and Operations Management, (2009-2010)
- International Supply Chain Management, core course for M.Sc. in Logistics and Operations Management, (2008-2010)
- Advanced Operations Management, 3rd year elective B.Sc. course (2007-2010)
- M.Sc. thesis supervision (2009-2010)

Katholieke Universiteit Leuven, Faculty of Engineering

- Tutorials in Deterministic and Stochastic Decision Models, core course for M.Sc. in Industrial Management, (2003-2005)

Catholic University of Parahyangan, Department of Industrial Engineering

- Operations Research, core course for B.Sc. in Industrial Engineering (1995-1999)
- Quality Management, core course for B.Sc. in Industrial Engineering (1995-1999)
- Modelling with Simulation, core course for B.Sc. in Industrial Engineering (1996-1999)

PEDAGOGICAL / TEACHING DEVELOPMENT

- Bachelor's, Master's, and PhD Supervision for Associate Professors and Professors (Aarhus BSS)
- Go-Online – course on blended learning (Aarhus BSS)
- Taught Part of Postgraduate Certificate in University Teaching and Learning (Cardiff University)

EDITORIAL AND REVIEWER SERVICES

- Guest editor, *International Journal of Production Economics*, Special issue Stochastic Models for Supply Chains
- Guest editor, *International Journal of Production Economics*, Special issue Innovation in Production Research
- Regular reviewer for *International Journal of Production Economics*, *Production and Operations Management*, *Manufacturing and Service Operations Management*, *International Journal of Production Research*, *IIE Transactions*, *European Journal of Operational Research*, *Transportation Research Part E*, *Journal of the Operational Research Society*, *Computers and Operations Research*, *Computers and Industrial Engineering*, *Interfaces*, *Asia Pacific Journal of Operations Research*, *Supply Chain Management: An international Journal*, *International Journal of Inventory Research*, *IMA Journal of Management Mathematics*, *Annals of Operations Research*.