



UNIVERSITY OF GOTHENBURG
SCHOOL OF BUSINESS, ECONOMICS AND LAW

Curriculum Vitae Hannes von Knorring

Gothenburg Research Institute
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Academic degrees

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|------|---|
| 2016 | Ph.D., Shipping and Marine Technology, Chalmers University of Technology |
| 2013 | Lic. eng., Shipping and Marine Technology, Chalmers University of Technology |
| 2009 | Civilingenjör (M.Sc.), Engineering Physics, Chalmers University of Technology |

Positions within academia:

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| 2010 - 2016 | Doctoral student, Chalmers University of Technology |
| 2009 - 2010 | Other, Project assistant, Deps. of Physical Resource Theory, and Shipping and Marine Technology |

Main research fields:

Energy efficiency, Shipping, Climate and energy policy, Action research, Actor-network theory

Main teaching fields:

Climate change and climate policy, Energy efficiency practice and policy, Shipping

Academic experience

Research projects:

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| 2016 - | How to order an energy efficient ship? A study of ship procurement processes in innovative shipping companies |
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International research projects:

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| 2015 - 2016 | Energy efficiency in ship operations, René Taudal Poulsen, Copenhagen Business School |
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Supervision of PhD students:

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| 2016 - | Josefin Borg, Chalmers University of Technology (Co-supervisor) |
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Reviewer assignments:

Energy Policy, Maritime Policy & Management, Transport Reviews, Journal of Cleaner Production, Journal of Renewable and Sustainable Energy, Maritime Policy & Management, Ocean Engineering, WMU Journal of Maritime Affairs, Applied Ocean Research, Transportation Research Part A - Policy & Practice, Energy Policy, Journal of Cleaner Production, Maritime Policy & Management, Ocean Engineering, Transportation Research Part D – Transport & Environment, Applied Ocean Research, WMU Journal of Maritime Affairs, Research in Transportation Business and Management, Proceedings of the Institution of Mechanical Engineers, Part M: Journal of Engineering for the Maritime Environment

Pedagogical projects and development:

2014 Created 7.5 credit M.Sc. course in Maritime Energy Management at Chalmers

International academic experience:

2017 - 2017 Visiting Research Fellow, Graduate School of Public Policy, University of Tokyo
2008 - 2008 Visiting Research Scholar, Graduate School of Frontier Sciences, University of Tokyo

Other experience

Experience outside of academia within field:

2016 - Research Adviser, Swedish Shipowners Association / Sweship Energy

Publications

Journal article (peer-reviewed)

Taudal Poulsen, René, Johnson, Hannes (2016) The logic of business vs. the logic of energy management practice: understanding the choices and effects of energy consumption monitoring systems in shipping companies. *Journal of Cleaner Production*, 112:5, p. 3785-3797.

Baldi, Francesco, Johnson, Hannes, Gabriellii, Cecilia, Andersson, Karin (2015) Energy and exergy analysis of ship energy systems - The case study of a chemical tanker. *International Journal of Thermodynamics*, 18:2, p. 82-93.

Johnson, Hannes, Styhre, Linda (2015) Increased energy efficiency in short sea shipping through decreased time in port. *Transportation Research Part A: Policy and Practice*, 71, p. 167-178.

Johnson, Hannes, Johansson, Mikael, Andersson, Karin (2014) Barriers to improving energy efficiency in short sea shipping: an action research case study. *Journal of Cleaner Production*, 66, p. 317-327.

Johnson, Hannes, Andersson, Karin (2014) Barriers to energy efficiency in shipping. *WMU Journal of Maritime Affairs*,

Taljegård, Maria, Brynolf, Selma, Grahn, Maria, Andersson, Karin, Johnson, Hannes (2014) Cost-Effective Choices of Marine Fuels in a Carbon-Constrained World: Results from a Global Energy Model. *Environmental Science and Technology*, 48:21, p. 12986-12993.

Johnson, Hannes, Johansson, Mikael, Andersson, Karin, Södahl, Björn (2013) Will the Ship Energy Efficiency Management Plan reduce CO2 emissions? A comparison with ISO 50001 and the ISM Code. *Maritime Policy & Management*, 40:2, p. 177-190.

Journal article (pop. science, debate)

Vinger, Elin, Jelse, Kristian, Johnson, Hannes (2008) Japan storsatsar på solcellsteknologi. *Tillväxtpolitisk utblick*, :5.

Book chapter

Johnson, Hannes (2014) GHG Emissions and the Energy Efficiency Gap in Shipping. In *Targeting the Environmental Sustainability of European Shipping - The Need for Innovation in Policy and Technology*,

Doctoral thesis

Johnson, Hannes (2016) *In search of maritime energy management*. Doct. thesis, Chalmers University of Technology.

Licentiate thesis

Johnson, Hannes (2013) *Towards Understanding Energy Efficiency in Shipping*. Lic. thesis, Chalmers University of Technology.

Conference paper

Johnson, Hannes (2014) Understanding how energy efficiency is achieved in shipping companies - an action research approach. *Sustainability Science Congress 2014, Copenhagen*.

Baldi, Francesco, Johnson, Hannes, Gabriellii, Cecilia, Andersson, Karin (2014) Energy analysis of a ship - the case study of a chemical tanker. *6th International Conference on Applied Energy, ICAE 2014, Taipei, Taiwan; 30 May - 2 June 2014*.

Baldi, Francesco, Johnson, Hannes, Gabriellii, Cecilia, Andersson, Karin (2014) Energy and exergy analysis of ship energy systems - the case study of a chemical tanker. *27th ECOS, International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*.

Johnson, Hannes (2013) Sustainability challenges and business in society: the case of maritime energy efficiency. *Doctoral student workshop of the JFBS 3rd Conference on CSR and Corporate Governance*.

Grahn, Maria, Taljegård, Maria, Bengtsson, Selma, Andersson, Karin, Johnson, Hannes (2013) Cost-effective choices of marine fuels under stringent carbon dioxide targets. *Proceedings of 3rd International conference on technologies, operations, logistics and modelling in Low Carbon Shipping, University College London*.

Johnson, Hannes, Johansson, Mikael, Andersson, Karin, Södahl, Björn (2012) Will the IMO Ship Energy Efficiency Management Plan (SEEMP) lead to reduced CO2 emissions? A comparison with ISO 50001 and the ISM Code. *2012 International Association of Maritime Economists Conference (IAME 2012 Taipei)*.

Johnson, Hannes, Johansson, Mikael, Andersson, Karin (2012) Barriers to energy efficiency in short sea shipping: a case study. *Short Sea Shipping 2012 Conference, Lisbon*.

Johnson, Hannes, Andersson, Karin (2011) The energy efficiency gap in shipping - barriers to improvement. *International Association of Maritime Economists (IAME) Conference*.

Report

Bännstrand, Maria, Jönsson, Anna, Johnson, Hannes, Karlsson, Roger (2016) *Study on the optimization of energy consumption as part of implementation of a ship energy efficiency management plan (SEEMP)*. International Maritime Organisation (IMO).

Styhre, Linda, Johnson, Hannes (2013) *Increased energy efficiency through increased port efficiency*. SSPA.

Englund, Oskar, Berndes, Göran, Johnson, Hannes, Ostwald, Madelene (2011) *Environmental Impact Assessments*. Göteborg: Chalmers University of Technology.

Englund, Oskar, Berndes, Göran, Johnson, Hannes, Ostwald, Madelene (2011) *Environmental Impact Assessments: Suitable for supporting assessments of biofuel sustainability?*. Chalmers University of Technology.

Englund, Oskar, Berndes, Göran, Johnson, Hannes (2011) *Recent progress in developing renewable energy sources and technical evaluation of the use of biofuels and other renewable fuels in transport in accordance with Article 3 of Directive 2001/77/EC and Article 4(2) of Directive 2003/30/EC*. European Commission.

Johnson, Hannes, Södahl, Björn (2010) *Strategies and methods for increased energy efficiency in shipping*. Chalmers University of Technology.