

Martin Bergström

+358 40 7400 644

martin.bergstrom@aalto.fi

CURRICULUM VITAE

PERSONAL SUMMARY

A Naval Architect with a recent PhD degree (graduation date April 6, 2017) from the Department of Marine Technology at the Norwegian University of Science and Technology (NTNU).

WORK EXPERIENCE

04/2017 – (1 month)	POSTDOCTORAL RESEARCHER Aalto University School of Engineering (Finland) My current research relates to the safety of autonomous and arctic ships.
09/2013 –04/2017 (3 years, 8 months)	PHD CANDIDATE NTNU - Norwegian University of Science and Technology (Norway) Development of a simulation-based method for the conceptual design of arctic ships and maritime transport solutions integrating the goal-based regulatory system of the Polar Code into a holistic design process considering operational and safety requirements, cost-efficiency, and design robustness.
05/2011 – 08/2013 (2 years, 4 months)	RESEARCH ASSOCIATE Center of Maritime Technologies e.V. (Germany) I worked with various international maritime research projects. My work consisted of life cycle analyses of ships (mainly cruise ships and ferries), comparisons between various multimodal transport chains in terms of costs and emissions, structural analyses, as well as management of scientific work and dissemination of project results.
06/2010 – 09/2010 (4 months)	RESEARCH ASSISTANT Memorial University of Newfoundland, STePS Research Project (Canada) I worked with a group of researchers and students within the Sustainable Technology for Polar Ships and Structures (STePS) project and was engaged in research and design of apparatus to conduct experiments related to ice-structure interaction.
09/2009 - 04/2010 (8 months)	RESEARCH ASSISTANT Aalto University School of Science and Technology, Ship Laboratory (Finland) I worked on my Master's thesis <i>Longitudinal strength analysis of a cruise ship with a narrow superstructure</i> .
06/2009 – 08/2009 (3 months)	SUMMER TRAINEE STX Europe, Helsinki shipyard, Lifecycle services (Finland) I assisted project- and design managers in various tasks involving cruise ship and ferry conversion design and calculations.
06/2008 – 08/2008 (3 months)	SUMMER TRAINEE STX Europe, Turku shipyard (Finland) I worked at the department of ship machinery design with various tasks related to the construction of the world's largest cruise ship m/s Oasis of the Seas.
05/2007 – 08/2007 (4 months)	SUMMER TRAINEE STX Europe, Rauma shipyard (Finland) I did manual labor at the shipyard's block factory. During the end of the period I also worked as a quality inspector.

EDUCATION

- 09/2013-04/2017 **NTNU- Norwegian University of Science and Technology, PhD**
PhD topic: *A simulation-based design method for arctic maritime transport systems*
- 09/2006 – 06/2015 **Hanken School of Economics**, approx. 90 ECTS credits from courses in economics and business administration
- 09/2003 - 11/2010 **Aalto University School of Science and Technology, M.Sc (Tech.)**
Major: Marine Technology

TRAINING AND ADDITIONAL EDUCATION

- *Short Sea Shipping & Motorways of the Sea*, TransportNet course, University of Genoa, Genoa, Italy, 1-3 October 2012.
- *Port Economics and Business*, TransportNet course, University of Antwerp (UA), Antwerp, Belgium, 23-25 May 2012.

LANGUAGE SKILLS

Swedish	Native proficiency
English	Full professional proficiency
Finnish	Full professional proficiency
German	Professional working proficiency
Norwegian, Bokmål	Professional working proficiency

IT SKILLS

Microsoft Office	Advanced skills
MATLAB	Advanced skills
AutoCad	Basic skills
Napa	Basic skills

PUBLICATIONS

- Bergström, M. Erikstad, S.O., & Ehlers, S., (2017). *The influence of model fidelity and uncertainties in the conceptual design of arctic maritime transport systems*. Ship Technology Research – Schiffstechnik, Vol. 64, Issue 1, pp. 40-64.
- Bergström, M. Erikstad, S.O., & Ehlers, S., (2016). *Assessment of the applicability of goal- and risk-based design on arctic sea transport systems*. Ocean Engineering, Vol. 128, pp. 183-198.
- Bergström, M. Erikstad, S.O., & Ehlers, S., (2016). *A simulation-based probabilistic design method for arctic sea transport systems*. Journal of Marine Science and Application, Vol. 15, pp. 349-369.

AWARDS

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