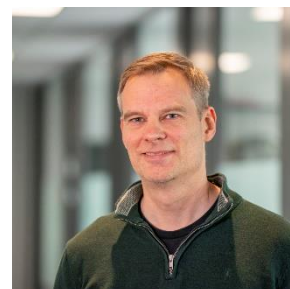


Curriculum vitae and track record

PERSONAL INFORMATION

- Family name, First name: Heggelund, Yngve
- Date of birth: 05.08.1971
- Sex: M
- Nationality: Norwegian
- Orcid-id: <https://orcid.org/0000-0002-4754-5724>



EDUCATION

- 2000 PhD: **Disputation date: 27.10.2000.**
Faculty of Mathematics and Natural Sciences/Department of Mathematics, University of Bergen, Norway
- 1996 Master (siv.ing)
Faculty of Information Technology and Electrical Engineering/Department of Mathematical Sciences, NTNU, Norway

POSITIONS

- 2001-present Researcher/Senior researcher
NORCE, Norway
- 1998-2001 PhD student
University of Bergen, Norway
- 1997-1998 Reliability analyst
Det Norske Veritas, Norway

FELLOWSHIPS, AWARDS AND PRIZES

- 2014 Best poster award at EERA Deepwind'2014: Interactive design of wind farm layout using CFD and model reduction, C. Jarvis, Y. Heggelund, M. Khalil, L. Sælen
- 2015 Best poster award at EWEA Offshore 2015: A fast reduced order method for assessment of wind farm layouts, Y. Heggelund, C. Jarvis, M. Khalil

PROJECT MANAGEMENT EXPERIENCE

- 2001-2007 Project member, VR application Hydro/Statoil, HydroVR, industrial, > 70 MNOK
- 2006-present Project member, Large scale survey system (LSSS), industrial, Institute of Marine Research, > 10 MOK
- 2010-2011 Work package manager, Ukontrollert drift av store og flytende object, RCN-IPN project 200862/140, 4.6 MNOK
- 2012-2015 Project manager, SEAT for vd Zwan, industrial, 2.4 MNOK
- 2013-2015 Project manager, Decision support for offshore wind turbine installations (DECOFF), RCN-KPN project 225231/O70, 8.6 MOK
- 2013-2017 Task manager, Reduced order modelling, NORCOWE FME center, > 8 MOK
- 2016-2018 NORCE project manager, JIP Validation of turbulence models, NORCE project cost 16 250 NOK
- 2018-2020 Project member, Distributed Acoustic Sensing, industrial, > 3 MNOK
- 2018-2020 Project manager, Measuring coherence and turbulence with lidars (COTUR), industrial, 6.4 MNOK
- 2020-present Work package manager, CONWIND - Research on smart operation control technologies for offshore wind farms, >25 MNOK

2020-present Work package manager, ELOGOW – Electrification of oil and gas installations by offshore wind, >16 MNOK

INSTITUTIONAL RESPONSIBILITIES

2012-present External examiner for master theses
 University of Bergen/Institute of Informatics/Norway
 University of Stavanger/Department of Mechanical and Structural Engineering and Material Science/Norway

2018 Member of PhD committee
 NTNU/Department of Mathematics Sciences/Norway

COMMISSIONS OF TRUST

2017-present Member of expert panel
 Research Council of Norway/MAROFF/Norway

2017-present Session chair and member of review panel of the EERA DeepWind conference, Sintef Energy, Norway

2023 Member of international evaluation committee for the Sustainable Blue Economy Partnership

Track record

Total number of publications: 13

Publications with the number of citations according to google scholar:

Paper reference	Number of citations
Eliassen I. K., Heggelund Y., Haakstad M., <i>A numerical study of the circulation in Saltfjorden, Saltstraumen and Skjerstadfjorden</i> , Continental Shelf Research, 21, pp 1669-1698, 2001	37
Heggelund Y., Berntsen J., <i>A method for analyzing nesting techniques for the linearized shallow water equations</i> , International Journal for Numerical Methods in Fluids, 38, pp 163-185, 2002	13
Heggelund Y., Vikebø F., Berntsen J., Furnes G., <i>Hydrostatic and non-hydrostatic studies of gravitational adjustment over a slope</i> , Continental Shelf Research, 24, pp 2133-2148, 2004	58
Korneliussen R. J., Heggelund Y., Eliassen I. K., Johansen G. O., <i>Acoustic species identification of schooling fish</i> , ICES Journal of Marine Science, 66, 2009	105
Korneliussen R. J., Heggelund Y., Eliassen I. K., Øye O. K., Knudsen T., Dalen J., <i>Combining multibeam-sonar and multifrequency-echosounder data: examples of the analysis and imaging of large euphausiid schools</i> , ICES Journal of Marine Science, 66, 2009	62
Heggelund Y., Jarvis C., Khalil M., <i>A fast reduced order method for assessment of wind farm layouts</i> , Energy Procedia, Vol 80, pages 30-37, 2015	4

- Saadallah, N., & Heggelund, Y. (2021, September). *An Approach for Reducing Gas Turbines Usage by Wind Power and Energy Storage*. In Modelica Conferences (pp. 627-632). 1
- Korneliussen R., Heggelund Y., Macaulay GJ., Patel D., Johnsen E., Eliassen I.K., *Acoustic identification of marine species using a feature library*, Methods on Oceanography, Vol 17, pp 187-205, 2016 115
- Cheyne, E., Flügge, M., Reuder, J., Jakobsen, J.B., Heggelund, Y., Svandal, B., Saavedra Garfias, P., Obhrai, C., Daniotti, N., Berge, J. and Duscha, C., *The COTUR project: remote sensing of offshore turbulence for wind energy application*, Atmospheric Measurement Techniques 14, no. 9, 6137-6157, 2021 14
- Otto D., Sprenkeling M., Peuchen R., Nordø Å.D., Mendrinós D., Karytsas S., Veland S., Polyzou O., Lien M., Heggelund Y., Gross M., *On the organisation of translation—An inter-and transdisciplinary approach to developing design options for CO2 storage monitoring systems*, Energies 15.15 (2022): 5678. 9
- Saadallah, N., & Heggelund, Y. (2023). *Electrification of Oil and Gas Platforms by Wind Energy*. Energies, 16(7), 3062. 3
- You, J., Heiberg-Andersen, H., Heggelund, Y., Stephansen, A. F., & Zhang, J. (2023, July). *Explainable Transformer Model for Short-Term Wind Forecast*. In 2023 IEEE 3rd International Conference on Industrial Electronics for Sustainable Energy Systems (IESES) (pp. 1-6). IEEE.
- Thomas, P. J., Heggelund, Y., Klepšvik, I., Cook, J., Kolltveit, E., & Vaa, T. (2023). *The Performance of Distributed Acoustic Sensing for Tracking the Movement of Road Vehicles*. IEEE Transactions on Intelligent Transportation Systems.