

Curriculum Vitae

Personalia

Name Karoline Husevåg Kvalsvik
Date of birth 30.05.1991
Nationality Norwegian
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Present position Ph.D. candidate and Scientist

Education

2018- Ph.D. Norwegian University of Science and Technology (NTNU)
2010-2015 M.Sc., Norwegian University of Science and Technology (NTNU)

Courses

2023 Fiscal Gas Measurements, NORCE – Norwegian Research Centre
2017 Basic course in OpenFOAM, Chalmers University of Technology
2016 COMSOL Multiphysics, intensive training, COMSOL
2015 Introduction to COMSOL Multiphysics, COMSOL
2015 Modelica training and Introduction to TIL, TLK-Thermo GmbH

Work experience

2018- Scientist, NORCE – Norwegian Research Centre
2015-2018 Scientist, SINTEF

Recent projects

Project member, Robuste, optimale lavenergiløsninger, Research Council of Norway and 5 partners
Project member, RockStore, Research Council of Norway and 26 partners

Master students' supervision

1 student have completed her M.Sc. degree.

Supervision of several master students during their intermittent researcher positions.

Recent publications

Kvalsvik, K., H. Holmberg, R. K. Ramstad and K. Midttømme. (2023). Inclusion of Advection in Fractures in the Line Source Equation for Analysis of Thermal Response Tests. *Geothermics* 117: 102872. ISSN 0375-6505. <https://doi.org/10.1016/j.geothermics.2023.102872>.

Kvalsvik, K., R. K. Ramstad, H. Holmberg and K. Midttømme. (2022). Quantification of time-varying groundwater flow in boreholes in fractured crystalline rock using long-term distributed temperature sensing. *Norwegian Journal of Geology* 102, 1, <https://dx.doi.org/10.17850/njg102-1-1>

Kauko, H., K. H. Kvalsvik, D. Rohde, N. Nord, and Å. Utne. (2018). Dynamic modeling of local district heating grids with prosumers: A case study for Norway. *Energy* 151: 261-271. ISSN 0360-5442. <https://doi.org/10.1016/j.energy.2018.03.033>.