

Bjørnar Brende Smestad

PhD Student, NTNU

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Currently

PhD Student at NTNU, Department of Marine Technology.
Project title: "AIS and AIS+" - the value of AIS plus other data for research purposes in maritime research.

Research interests

AIS data, shipping, ship traffic in the arctic, risk, routing, AI, data visualisation, python

Education

MSc Engineering and ICT with specialization in maritime logistics, NTNU 2009-2015

Awards

European Space Agency (ESA) Space App Camp winner. 2019
Outlining an app that will help fisheries be more efficient and optimise catch quotas, as well as help governments stop unregistered and unregulated fishing worldwide.

Publications

Predicting vessel speed in the Arctic without knowing ice conditions using AIS data and decision trees. 2021
Maritime Transport Research 2, 100024
PS Rao, E Kim, BB Smestad, BE Asbjørnslett, A Bhattacharyya

Predicting ship speeds in the Arctic using deep learning on historical AIS data. 2020
The 30th International Ocean and Polar Engineering Conference
E Kim, BB Smestad, BE Asbjørnslett

Expanding the Possibilities of AIS Data with Heuristics. 2017
TransNav, the International Journal on Marine Navigation and Safety of Sea
BB Smestad, BE Asbjørnslett, ØJ Rødseth

A study of satellite ais data and the global ship traffic through the singapore strait. 2015
Master Thesis, NTNU
BB Smestad

Occupation

PhD Student 08.2020 - d.d
NTNU - Department of Marine Technology

Consultant 12.2019 - 08.2020
Independent data science consultant

Consultant 06.2015 - 08.2016
Knowit Decision - Business Intelligence & Machine Learning

Trainee 06.2015 - 08.2016
Affecto - Talent Recruitmenet Programme