

The [Department of Design](#) at NTNU has a vacancy for two Postdoc positions related to [Design and evaluation of human-machine interfaces for the maritime domain](#).

The first Post doctor candidate will work in [SFI Autoship](#), an 8-year research-based innovation Center in autonomous ships. [SFI Autoship](#) focuses on autonomy, digital infrastructure, maritime transport, safety and risk analysis, maritime law, human-machine interaction, and cyber security, with partners from research, public sector and maritime industry. The candidate will work on challenging research problems related to Interaction Design, Human Factors and Human-Machine Interface for resilient remote human operation or supervision of autonomous ships. Examples of research problems are related to information need, situation awareness, decision making, intervention and reaction time, remote diagnostics, multi-ship control, ship hand over, autonomy trust, etc.

The second Post doctor candidate will work in [Lash Fire](#), an international research project aiming to reduce the risk of fires on board ro-ro ships and design decision support systems for fire-fighting operations. The candidate will design, develop low and high-fidelity prototypes and evaluate them in a lab setting or in situ.

Both Post doctor candidates will be working in relation to the [NTNU Shore Control Lab](#), a control room for both remote monitoring, support and control of autonomous ships and for fire-fighting operations. The infrastructure is flexible and allows for various evaluations studies and experiments with eye-tracking and biometrical sensors for measuring the operator's stress level.

Link to the job ad: <https://www.jobbnorge.no/en/available-jobs/job/203278/post-doctor-designing-shore-control-centres-control-of-autonomous-transport-solutions>