

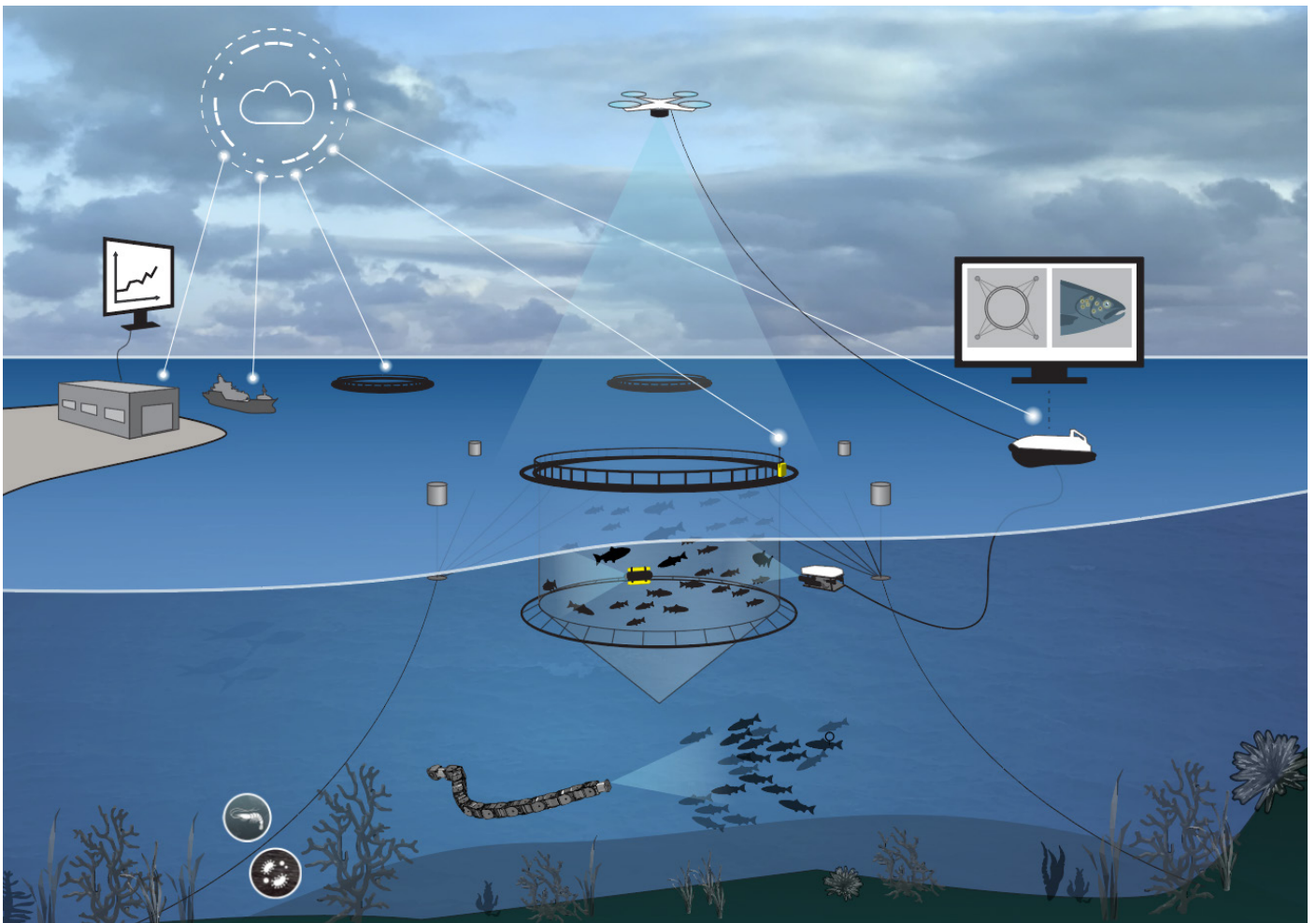
# Advanced Aquaculture Technology Seminar 2019

**Date:** Thursday 22nd of August  
**Time:** 14:00 - 18:00  
**Place:** Pirsenteret, Havnegata 9, 7010 Trondheim – entrance 1, Auditorium A200  
**Contact:** Espen Eilertsen, SINTEF Ocean, tel (+47) 404 73 072, [espen.eilertsen@sintef.no](mailto:espen.eilertsen@sintef.no)

During AquaNor 2019, SINTEF, Maritime Robotics and innovative industry partners invite to a mini-seminar in Trondheim, where R&D results from industry-oriented projects supported by the Norwegian Research Council and The Norwegian Seafood Research Fund will be presented.

The first part of the seminar will consist of project presentations given by researchers from SINTEF, and their partners in the industry. The second part is a practical session, where demonstrations will be given by cooperating partners. The participants will be able to observe, test, ask questions and share their views.

The seminar will be held in English and is free of charge with no registration needed. Light refreshments will be served. Updated information about the seminar will be given at: [www.sintef.no/aquatech-seminar](http://www.sintef.no/aquatech-seminar).



# Seminar Program

Thursday 22nd of August

14:00 Doors open! Mingling in the stand area.

14:20 Welcome and introduction by Eirik Hovstein, Maritime Robotics and Leif Magne Sunde, SINTEF Ocean

## Projects and Presentations

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| 14:30 | <b>ARTIFEX - a research project that brings us into future autonomous solutions for aquaculture.</b><br>Remote and autonomous operations at sea-based fish farm.<br><br>ROV and remotely controlled technology.<br><br>Offshore aquaculture solutions.                           | Walter Caharija, SINTEF Ocean<br><br>Frode Korneliussen,<br>Argus Remote Systems<br><br>Eirik Hovstein,<br>Maritime Robotics<br>Miguel Cerezo, WavEC |
| 15:00 | <b>CageReporter - Autonomous underwater robots for safer and more efficient operations in fish farms.</b><br>Underwater GPS – Breaking all the records: performance, size and cost.  | Biao Su, SINTEF Ocean<br><br>Oliver Skisland, WaterLinked  |
| 15:15 | <b>INDISAL - Enabling technology for identification of individual salmon in commercial fish-cages.</b><br>Cutting Edge Imaging Technology for the INDISAL and Cagereporter.  | Christian Schellewald,<br>SINTEF Ocean<br>Milan and Oscar Marković, Sealab<br>Oceangroup   |
| 15:35 | <b>KVALISYS - Acquisition of data related to the conditions that fish are subject to in mechanical delousing systems.</b>  | Walter Caharija, SINTEF Ocean  |
| 15:55 | <b>CROWDGUARD - Towards automatic and data-driven crowding operations.</b><br>Industrial machine vision for monitoring Fish Welfare during salmon crowding.<br><br>Currents and oxygen inside salmon cages during crowding and normal operations: minimise losses by monitoring. | Birger Venås, SINTEF Ocean<br>Rune Volden, SHM Enabling Technology<br>Jarle Heltne, Aanderaa   |
| 16:10 | <b>ACE - full-scale laboratory facility designed to develop and test new aquaculture technologies.</b>   | Kevin Frank, SINTEF Ocean  |

## Demonstrations

16:30 Demonstrations in the Harbour area next to "Hurtigbåtkaia", Brattørkaia 17.