



Autonomous aquaculture – the game is changing

Date:
Thursday 17 August

Time: 15:00 - 18:00

Place:
Maritime Robotics,
Brattørkaia 11, Trondheim

The development within autonomous and unmanned systems has taken large steps during the recent years. Both in the aquaculture industry and other industries. This new technology is expected to be a game changer within operations related to surveillance, inspection and intervention tasks.

We are happy to invite you to a mini seminar to learn more about the status and future solutions for autonomous operations in aquaculture. The seminar is open, free of charge and followed by discussions at the pier. Food and beverages will be served.

15:00 Seminar

15:00	Welcome and introduction.	Maritime Robotics
15:05	ARTIFEX and CageReporter – Two research projects that brings us into future solutions for autonomous aquaculture.	Per Rundtop, SINTEF Ocean
15:25	A view from a service provider – Next generation opportunities and technology needs.	Lerow
15:35	The use of unmanned surface vehicles and remotely piloted aircraft systems.	Maritime Robotics
15:45	ROV and remotely controlled technology – challenges and opportunities.	Argus Remote Systems
15:55	Underwater communication and positioning systems – enabling technology for autonomous systems.	Water Linked
16:05	Give everyone the opportunity to see under water.	Sealab
16:15	Enabling technology for robot vision – educating future aquaculture engineers.	Annette Stahl, NTNU
16:25	Introduction to demonstrators.	Maritime Robotics

16:30 Demonstrations at the pier

- 1. Maritime Robotics:** Demonstration of USV-systems and remotely piloted aircraft system.
- 2. Argus Remote Systems and Lerow:** Demonstration of ROV-system.
- 3. Water Linked:** Demonstration of autonomous ROV aided by low cost positioning system.
- 4. Sealab:** Demonstration of gyro stabilized and high resolution aquaculture camera system.



SEALAB OCEAN GROUP



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