

Program

MarineUAS Workshops Trondheim 11-15 April 2016

Ethics Workshop

Entrepreneurship Workshop

Coastal and Maritime Surveillance Workshop

Hosted by NTNU and Maritime Robotics



April 11, Monday, room B343 Elektro B (<http://s.mazemap.com/1RFzYhb>)

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| | Ethics workshop, MarineUAS |
| 9:00-9:15 | Introduction, MarineUAS and ethical concerns. Professor Tor Arne Johansen, NTNU, Project Coordinator |
| 9:15-10:00 | Military use of autonomous drone systems. Col. Dr. Gjert Lage Dyndal, Norwegian Defence University College (NDUC), https://forsvaret.no/hogskolene/forsvarets-hogskole/Forskning/Faglig%20ansatte/Dyndal%20Gjert%20Lage |
| 10:00-10:15 | Coffee break |
| 10:15-11:00 | Use of drones in criminal activity and terrorism. Researchers Øistein Hoelsæter and Håkon Kløvstad Olafsen, Norwegian Defence Research Institute (FFI). |
| 11:00-11:45 | Privacy, surveillance and drones. Director Bjørn Erik Thon, The Norwegian Data Inspectorate https://en.wikipedia.org/wiki/Bj%C3%B8rn_Erik_Thon |
| 12:00-13:00 | Lunch |
| 13:00-13:30 | Group Assignment / Discussion <i>"Are we aware of the potential mis- and dual-use potentials of the technology we are developing?"</i> |
| 13:30-14:15 | Ethical aspects of autonomous weapon systems. Dr. Andreas Brekke Carlsson, Secretary of the Norwegian Defence Ethics Council. |
| 14:15-15:00 | Ethical reflections on the development of technology that has dual-use potential. Professor Thomas Berker, NTNU https://www.ntnu.no/ansatte/thomas.berker |
| 15:00-15:15 | Coffee break |
| 15:15-15:45 | Panel: Questions and Discussion |
| 15:45-16:00 | Closing remarks Col. Dr. Gjert Lage Dyndal |

April 12, Tuesday, room B343 Elektro B.

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| | Entrepreneurship workshop |
| 09:00-12:00 | How to create greater value from R&D activities through a clear IPR strategy Many people would still consider intellectual property an impediment to openness in a university setting. In some circumstances this may be true, but it is increasingly becoming clear that intellectual property is a critical tool to govern both open innovation and industry collaboration when utilizing academic-research. This seminar show how a strategy for managing your intellectual assets and knowledge can play a critical role in succeeding with industry collaboration and making impact to society. The goal of the seminar will be to show how researchers can make more impact and become a more attractive partner through a clear and professional IPR strategy. Knut Jørgen Egelie, Sumit Luthra, Sabina Strand, IPR Managers, NTNU Technology Transfer |
| 12:00-13:00 | Lunch |
| 13:00-15:00 | Introduction to business modelling for research based inventions Theory and case Lasse Olsen, NTNU Technology Transfer |
| 15:00-15:30 | Coffee break |
| 15:30-17:00 | Maritime Robotics and introduction of project/case Vegard Hovstein, CEO Maritime Robotics |
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April 13, Wednesday, room G144

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| | Marine and Coastal Surveillance Workshop |
| 09:00-10:30 | SAR: <ul style="list-style-type: none"> - Nor VTS, Sarinor etc.: Tor Einar Berg, SINTEF - Norwegian Joint Rescue Coordination Center: Bent Ove Jamtli, JRCC, Bodø, North Norway |
| 10:30-11:00 | Coffee break |
| 11:00-12:00 | Ice-management in the Arctic: <ul style="list-style-type: none"> - Francesco Scibilia, Statoil RnD |
| 12:00-13:00 | Lunch |
| 13:00-14:00 | Object-detection on the sea-surface <ul style="list-style-type: none"> - Christopher Dahlin Rodin, Maritime Robotics Tour and guiding at the NTNU UAV lab <ul style="list-style-type: none"> - Prof Tor Arne Johansen, NTNU |
| | Coffee break |
| 14:30-16:00 | Entrepreneurship project & case study |

April 14, Thursday, room B343 Elektro B.

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| | Marine and Coastal Surveillance Workshop |
| 09:00-10:30 | Coastal and ocean surveillance session: <ul style="list-style-type: none"> - AIS surveillance, Tony Haugen Kongsberg Seatex - Unmanned Vehicles. Vegard Hovstein, Maritime Robotics |
| 10:30-11:00 | Coffee break |
| 11:00-12:00 | Oil-spill remote sensing <ul style="list-style-type: none"> - Ove Njøten, Norwegian Coastal Administration |
| 12:00-13:00 | Lunch |
| 13:00-14:00 | Coastal and ocean surveillance using UAVs <ul style="list-style-type: none"> - Lars Imsland, NTNU |
| 14:00-14:30 | Coffee break |
| 14:30-16:00 | Entrepreneurship project & case study |
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| 19:00- | Social dinner; Una Pizzeria, Solsiden |

April 15, Friday, room G144

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| | Entrepreneurship Workshop |
| 09:00-10:30 | Case study, Group sesión |
| 10:30-10:45 | Coffee break |
| 10:45-12:00 | Case study, Group sesión |
| 12:00-13:00 | Lunch |
| 13:00-14:30 | Case study, Group session |
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