**Program**

**Monday, March 11\(^{th}\)**

**Room: Øya/Sverresborg**

8.30 – 9.00  **Registration & coffee** (In front of the room Øya/Sverresborg)

9.00 – 9.30  **Welcome and introduction**
Ingrid Bouwer Utne, Department of Marine Technology, NTNU, Norway

**Arrangements and whitepaper**
Marilia Ramos and Christoph Thieme, Department of Marine Technology, NTNU, Norway

9.30 – 10.00  **Modeling and assessing risks of autonomous systems: Challenges and perspective on solutions**
Ali Mosleh, B. John Garrick Institute for the Risk Sciences, University of California Los Angeles, USA

10.00 – 10.30  **The Norwegian maritime authority’s approval process of autonomous ships - our challenges and guideline**
Nils Haktor Bua, Norwegian Maritime Directorate, Norway

10.30 – 11.00  **Coffee break (in front of Øya/Sverresborg)**

11.00 – 11.30  **Qualification of autonomy for risk and regulation - A behavioral approach**
Tristan Perez, Boeing Research and Technology, Australia

11.30 – 12.00  **Industry perspective on the development of autonomous busses – Robustness development**
Matthew Minxiang Hu, Haylion Technology, China

12.00 – 12.30  **Unmanned aerial systems and risk**
Adrian Aljornilla, UAS consulting, USA
Monday, March 11th
Room: Øya/Sverresborg

12.30 – 13.30  Lunch (Scandic Nidelven Restaurant)
13.30 – 14.15  Cybersecurity for autonomous systems – Vulnerabilities and threats
Kenneth Titlestad, Sopra Steria, Norway
14.15 – 14.45  Intelligent machinery systems for autonomous ships
Sverre Torben, Rolls Royce Marine, Norway
14.45 – 15.15  Trust in autonomy: Cyber-human learning loops
Asun Lera St. Clair, DNV GL, Norway

15.15 – 15.45  Coffee break (in front of Øya/Sverresborg)
15.45 – 18.00  Assembly of discussion groups
Plenum discussion

Tuesday, March 12th

8.30 – 9.00  Meetup and organization of breakout sessions
Room: Øya/Sverresborg
9.00 – 18.00  Breakout discussion sessions
Rooms: Øya/Sverresborg, Tyholt, Lian, Festningen
10.30 – 11.00  Coffee break (in front of breakout rooms)
12.30 – 13.30  Lunch (Scandic Nidelven Restaurant)
13.30 – 14:00  Some recent advances in human-automation interaction
design methods and future research directions for safety
David Kaber, North Carolina University, USA
14:00 – 14:30  Game theoretic simulation for verification and validation of autonomous vehicles
Anouck Girard, University of Michigan, USA

16.00 – 16.30  Coffee break (in front of breakout rooms)
Tuesday, March 12th

20.00 – 22.00  Workshop dinner in Troll Restaurant
   Address: Fosenkaia 4A, Trondheim

Wednesday, March 13th

Room: Øya/Sverresborg

8.30 – 12.00  Presentation and discussion of results from the breakout sessions

10.00 – 10.30  Coffee break (in front of Øya/Sverresborg)

12.00 – 12.30  Conclusion and closing of the workshop

12.30 – 13.30  Lunch (Scandic Nidelven Restaurant)
Meeting Rooms Map
## IWASS Participants

### Organizing committee

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<thead>
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### Speakers

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Organizers and sponsors

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