

Summer school 2026

Technological opportunities in maritime decarbonization

Location: Technopolis Innopoli 2, Room Edison 1, Tekniikantie 14, Espoo, Finland

The programme below is preliminary and changes are possible.

Day 1: Tuesday May 26th, 2026

Time	Programme	Speaker
9.30-10.30	Registration + coffee	
10.30-10.40	Opening words	Dr. Jarkko Rahikainen, VTT
10.40-11.30	Lecture: Technological opportunities to reduce maritime GHG emissions	Dr. Teemu Manderbacka, VTT
11.30-12.30	Lunch	
12.30-13.15	Lecture: Hydrogen fuel cells in vessels	Dr., Markus Rautanen, VTT
13.15-14.30	Lecture: Alternative fuels and regulations	Janne Valkonen, DNV
14.30-15.00	Break	
15.00-15.45	Lecture: Emission measurements	Dr. Kati Lehtoranta, VTT
18.00-20.00	Social programme: Bowling at Kampin Keilahalli	

Day 2: Wednesday May 27th, 2026

Time	Programme	Speaker
9.00-9.30	Coffee	
9.30-10.15	Lecture: Ice research and winter navigation	Dr. Arttu Polojärvi, Aalto University
10.15-11.00	Lecture: Operational measures to decrease GHG emissions of shipping	Prof. Ulla Tapaninen, TTU
11.00-11.30	Break	
11.30-12.15	Lecture: Winter navigation	Helena Orädd, Finnish Transport Infrastructure Agency

12.15-13.15	Lunch	
13.15-14.00	Lecture: Opportunities provided by digitalisation to decrease vessels' GHG-emissions	Dr., Mikael Lind, RISE
14.00-17.00	Excursion: Ice breaker visit	

18.00-20.00	Partners meeting & dinner (only for consortium members)	
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Day 3: Thursday May 28th, 2026

Time	Programme	Speaker
9.00-9.30	Coffee	
9.30-10.15	Lecture: Efficient propulsion methods	Ilkka Perälä, VTT
10.15-11.00	Lecture: Nuclear propulsion	Prof. Juhani Hyvärinen, LUT University
11.00-11.30	Break	
11.30-12.15	Lecture: Electric ship	Dr. Magnus Gustafsson, Åbo academy
12.15-13.15	Lunch	
13.15-14.00	Lecture: Modelling, analysing and optimising ship energy systems	Dr. Mia Elg, Deltamarin
14.00-14.30	Break	
14.30-16.00	Training on proposal writing for Horizon Europe	Anna Zmiievskaja, Anromind

18.00-21.00	Dinner: Royal Line Dinner Cruise	
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Day 4: Friday May 29th, 2026

Time	Programme	Speaker
9.00-9.30	Coffee	
9.30-11.00	Alternative fuels game	Dr. Maurice Jansen, Erasmus University
11.00-11.30	Break	
11.30-12.30	Alternative fuels game (continues)	Dr. Maurice Jansen, Erasmus University
12.30-12.45	Closing words	Dr. Jarkko Rahikainen, VTT
12.45	Lunch	