



Metrology for Green Maritime Shipping:
Emission control through traceable measurements and
machine learning approaches



MaritimeMET Workshop: Role of Metrology for Greener Shipping

Date: 16th April 2026

Venue: Wärtsilä Sustainable Technology Hub, Vaasa Finland (it is also possible to attend online)

Time: 9:00 to 16:30, UTC +3 / Eastern European Summer Time (EEST)

Register by [clicking here](#)

Project Consortium & Collaborators



SIEMENS  PCB PIEZOTRONICS
AN AMPHENOL COMPANY



Mr. Anders Öster

GM Research Coordination & Funding, Wärtsilä, Finland
Talk Title: Towards Zero Emission Maritime Sector



Mr. Lars Bo Andersen

Head of Test Centre & Technology Development, Alfa Laval, Denmark
Talk Title: Strategies for testing renewable fuels & blends safely in an open combustion system



Dr. Arpit Malik

Researcher – Airborne Nano-Particles ,Working Group 3.43, PTB, Germany
Talk Title: Measuring Particulate Emissions from Green Ship Engines: Current State of the Art and Calibration Results from PTB testbench



Dr. Jan Petersen

Senior Scientist, Fotonik, Danish Fundamental Metrology, Denmark
Talk Title: Development of PAS- and WMS-based sensors, traceable to Optical Gas standards



Mr. Leon Korr

Junior Project Manager, Kistler Instrumente AG, Switzerland
Talk Title: Pressure Pulse Calibration at Kistler



Dr. Eynas Amer

Senior Researcher, (RISE) Research institutes of Sweden, Sweden
Talk Title: Towards traceable dynamic pressure calibration using shock tube method



Dr. Richard Högström

Research Team Leader, National Metrology Institute of Finland (VTT-MIKES), Finland



Dr. Yasin Durgut

Institute Director Technical Assist. V, TUBITAK UME, Republic of Türkiye
Talk Title: Dynamic pressure primary standard for calibrating cylinder pressure sensors



Dr. Alexander Fateev

Senior Scientist, Technical University of Denmark, Denmark
Talk Title: Dynamic temperature measurements for industrial applications



Ass.Prof. Dipl.-Ing. Dr.techn. Bernhard Geiger

Graz University of Technology, TU Graz, Austria
Talk Title: Improving Data-Driven Systems with Differential Equations - Approaches and Open Problems



Mr. Joachim Jaensch, MSc.,

Researcher, Technical University Braunschweig, Germany
Talk Title: Modelling of MeOH dual fuel combustion and emissions formation - using kinetic mechanisms and ML approach

MaritimeMET Workshop

Agenda

8:30	9:00	Registration Wärtsilä Sustainable Technology Hub Frilundintie 5 FI-65170 Vaasa Finland
9:00	9:10	Introduction & Welcome Note
9:10	9:35	Mr. Anders Öster, GM Research Coordination & Funding, Wärtsilä, Finland
9:35	10:00	Mr. Lars Bo Andersen, Head of Test Centre & Technology Development, Alfa Laval
10:00	10:25	Dr. Arpit Malik, Airborne Nano-Particles (3.43); PTB
10:25	11:00	Coffee Break
11:00	11:25	Dr. Jan Petersen, DFM
11:25	11:50	Mr. Leon Korr, Kistler Instrumente AG, Switzerland
11:50	13:00	LUNCH
13:00	13:25	Dr. Eynas Amer, RISE Sweden
13:25	13:50	Dr. Richard Högström, VTT Finland & Dr. Yasin Durgut, TUBITAK-UME, Republic of Türkiye
13:50	14:15	Dr. Alexander Fateev, DTU, Denmark
14:15	14:45	Coffee Break
14:45	15:10	Ass.Prof. Dipl.-Ing. Dr.techn. Bernhard Geiger, Graz University of Technology,
15:10	15:35	Mr. Joachim Jaensch, MSc., TUBS, Germany
15:35	16:00	Stakeholder Meeting (Hybrid)
16:00	16:30	Wärtsilä Technical Center - tour
18:00		Dinner Restaurant Strampen Rantakatu 7V VAASA https://www.strampen.com/en/

Visit our website for more information

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Register to become MaritimeMET stakeholder advisory board member

Share your opinion, by filling in the questionnaire

Project Consortium & Collaborators

