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MaritimeMET

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

Time: 9:00 to 17:00, UTC +3 / Eastern European Summer Time (EEST)

Register by clicking here

Deadline for registration: 3rd April 2026

Project Consortium & Collaborators

FORCE TECHNOLOGY, WÄRTSILÄ, GERG, Technische Universität Braunschweig, DTU, LGC, TEKNOLOGISK INSTITUT, CZECH METROLOGY INSTITUTE, Arts et Métiers, TÜBİTAK, DFM, VSL, RISE, VTT, PTB, 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/

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Register to become MaritimeMET stakeholder advisory board member

Share your opinion, by filling in the questionary

Project Consortium & Collaborators