



Engine technology seminar

Thursday 20 March | 12:30 - 14:00
Meeting Hall

Welcome to the Engine Technology Seminar 2025! This seminar offers a unique opportunity to dive into the future of engine technology and gain insights from top experts.

The program includes fascinating presentations on continuous improvements on managing unburned methane release in gas engines, new engine concept without an exhaust gas pipe, and ammonia energy conversion systems.

Join us to get inspired and network with leading professionals in the field! The event is organized by the Combustion Engines Finland, a branch group of Technology Industries of Finland and a National Membership Association of CIMAC, the leading global non-profit association promoting the development of ship propulsion, train drive and power generation.

Engines play a crucial role in enabling future energy systems

12:30 - 12:40

Opening Words and Overview

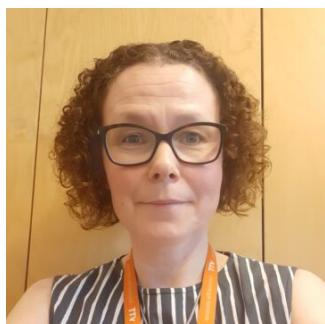


[Mikael Wideskog](#)

Director, Sustainable Fuels & Decarbonisation R&D and
Engineering, Power Supply, Marine Power
Wärtsilä Finland Oy

12:40 - 12:55

Controlling methane slip from LNG engines



[Kati Lehoranta](#)

Principal Scientist
VTT

12:55 - 13:10

Integrated Hydrogen-Argon Power Cycle (iHAPC) – The combustion engine without an exhaust pipe?



[Maciej Mikulski](#)

Professor – Combustion Engine Technology, Department Head –
Energy Technology, Research Group Leader – Efficient Powertrain
Solutions (EPS)
University of Vaasa

13:10 - 13:25

Ammonia and ammonia/hydrogen energy conversion system design by simulations



[Ville Vuorinen](#)

Associate Professor – Energy and Mechanical Engineering
Aalto University

13:25 - 13:40

Simulation-based product requirement validation for new combustion concepts

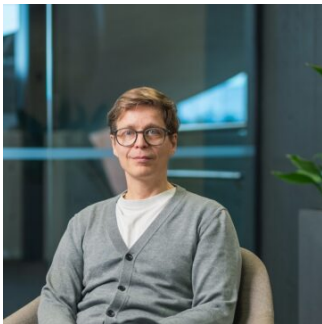


Juho Könnö

Professor, Vehicle and Mobile Machinery Engineering
University Of Oulu

13:40 - 13:55

Heat pumps for waste heat recovery



Teemu Turunen-Saaresti

Professor, Fluid Dynamics
LUT University

13:55 - 14:00

Closing words



Mikael Wideskog

Director, Sustainable Fuels & Decarbonisation R&D and
Engineering, Power Supply, Marine Power
Wärtsilä Finland Oy

Organizers



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Patrick Frostell

Head of Electrical Equipment Policy
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