



Save the date!

September 5-6, 2022  
Hamburg

## 3rd LEC Sustainable Shipping Technologies Forum

*Advancing the decarbonization of shipping!*

LEC

HPA  
Hamburg Port Authority

# Program 2022

**Location: Hamburg, Germany**  
Neuer Wandrahm 4, ZIP: 20457

**MONDAY, SEPTEMBER 05**

## Welcome & Opening

**13:00**

### Opening and welcome speeches

Jens Meier (Hamburg Port Authority)  
Andreas Wimmer (LEC GmbH, AT)

Video message: Michael Westhagemann (Minister for Economy and Innovation of the Free and Hanseatic City of Hamburg, DE)

Video message: Barbara Eibinger-Miedl (Minister for Economy, Tourism, Regions, Science and Research in Styria/Austria, AT)

## Drivers of decarbonization Session I: Green ports & Infrastructure

**13:30**

On The Way To Zero-Emission Heavy-Duty Transport – NIKOLA TRE at Port of Hamburg

Christian Sulser (Iveco Magirus, DE)

Hamburg Green Hydrogen Hub as key decarbonization enabler for Hamburg harbour

Björn Michelmann (Shell Germany, DE)

Renewable methanol bunkering and supply for green shipping – experiences from the FASTWATER project

Joanne Ellis (SSPA, SE)

Port infrastructure needed to support inland vessels operating on hydrogen – retrofit and operations of the FPS Maas

Prasanna Colluru (Future Proof Shipping, NL)

**15:30**

### COFFEE BREAK





## Impulse speech and moderated panel discussion

**15:45**

### **Impulse talk**

Sebastian Ebbing (Marine Fuels, Innovation & Funding, Verband deutscher Reeder (VDR), DE)

**16:00**

### **Moderated panel discussion**

Peter Müller-Baum (Verband Deutscher Maschinen- und Anlagenbau, DE)

Volker Matthias (Helmholtz-Zentrum Hereon, DE)

Sebastian Ebbing (Marine Fuels, Innovation & Funding, Verband deutscher Reeder (VDR), DE)

Carlos Jahn (Fraunhofer Center for Maritime Logistics and Services, DE)

**16:45**

### **Day 1 Round – up and Closing**

**17:00**

### **End of day 1**

**18:30**

### **Speakers Dinner & Networking – Port Tour**





**TUESDAY, SEPTEMBER 06**

## **Drivers of decarbonisation Session II: Ship efficiency technologies**

**09:00**

AIRCOAT EU Project – Air induced friction reducing ship coating:

Key Results

Johannes Oeffner (CML Fraunhofer, AIRCOAT Coordinator, DE)

SLEEKSHIP EU PROJECT: Spectral Imaging powered ship hull bio-fouling detection and cleaning

Fotis Oikonomou (Danaos Shipping Co Ltd., CY)

Road to zero global warming from high-powered merchant marine propulsion systems

Dominik Schneiter (Winterthur Gas & Diesel, CH)

**10:30**

**COFFEE BREAK**

## **Drivers of decarbonisation Session III: On-board fuel reforming and carbon capture**

**10:45**

HyMethShip – Hydrogen-Methanol Ship propulsion system using on-board pre-combustion carbon capture

Nicole Wermuth (LEC, AT)

CAMPFIRE – Development of an Ammonia-fueled Cracker-Engine-Power Unit for Inland Waterway Shipping

Hinrich Mohr (GasKraft Engineering, DE)

The ALL-IN Zero Project – Flexible fuel power generation technology with Zero emissions

Ricardo Novella (CMT – UPV, ES)

**12:15**

**COFFEE BREAK**





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### Drivers of decarbonisation Session IV: Advanced propulsion and ship design

**12:45**

Machine learning and energy scheduling

Jerker Björkqvist (Åbo Akademi University, FI)

Future fuels for sustainable shipping and power generation

Kaj Portin (Wärtsilä, FI)

Ship design with low carbon impact

Alexandre Bellot (LMG Marin, FR)

**14:15**

**Forum Round-up and Closing**

**14:30**

**End of the Event**

**The whole forum will be moderated by Anke Harnack.**

