

FRAUNHOFER TRANSPORT ALLIANCE

## FRAUNHOFER WATERBORNE FORUM

Wednesday, September 5  
SMM 2018, Hamburg



© Vlad Zaytsev / stock.adobe.com

## SHIPPING UNDER EXTREME CONDITIONS: SAFE OPERATION IN THE ARCTIC PASSAGES

At this year's SMM in Hamburg, Fraunhofer Institutes and industrial partners will share their latest findings regarding »Shipping Under Extreme Conditions«.

The Fraunhofer Waterborne Forum will address the safety and security of people, environment and machinery while operating in the Arctic passages.

Presentations on Arctic operations will be supplemented by a discussion and a demonstration of the exhibits at the Fraunhofer SMM stand.

# AGENDA

2:15 pm

Arrival  
Conference Room B7.1

2:30 pm

## Welcome

Prof. Dr. Uwe Clausen

*Chairman, Fraunhofer Transport Alliance*

*Director, Fraunhofer Institute for Material Flow and Logistics IML*

Prof. Dr. Carlos Jahn

*Director, Fraunhofer Center for Maritime Logistics and Services CML*

2:45 pm

## Introduction

### »The potential of the North West and North East Passages«

Dr. Jonathan Köhler

*Head of Working Group Waterborne, Fraunhofer Transport Alliance*

*Fraunhofer Institute for Systems and Innovation Research ISI*

3:15 pm

## Impulse I

### »Sea Traffic Management – Routes on the rocks, shore support in navigating icy and sensitive waters«

Fredrik Karlsson

*Innovation Coordinator, The Swedish Maritime Administration*

Ulf Siwe

*STM Communication Officer, The Swedish Maritime Administration*

3:45 pm

## Short Break

4:00 pm

## Impulse II

### »Ice class and coupling selection«

Dr. Ralf Bauermeister

*Head of Polymer Technology, VULKAN Group Service*

4:30 pm

## Impulse III

### »Harmonic Radar Assisted SAR under Extreme Sea Conditions«

Prof. Dr. Holger Heuermann

*University of Applied Sciences Aachen*

5:00 pm

## Panel discussion

5:30 pm

## Debriefing at Fraunhofer Stand followed by reception (Hall B6, Booth 319)

7:00 pm

End of Event

#### Venue:

SMM 2018

Conference Room: B7.1

FhG Stand: Hall B6, Booth 319

Messe Hamburg

Messeplatz 1

20357 Hamburg / Germany

#### Contact:

Christiane Kraas

Fraunhofer Transport Alliance

+49 - (0)231 - 9743 - 371

info@verkehr.fraunhofer.de

Attendance fee: €190

For more information and registration please visit our webpage:

[https://www.verkehr.fraunhofer.de/en/events/fraunhofer-waterborne-forum\\_2018.html](https://www.verkehr.fraunhofer.de/en/events/fraunhofer-waterborne-forum_2018.html)