

# KIEL-GDANSK MARKET PLACE

## Smart Shipping

31. May 2022 in Kiel, Germany

Location: Seeburg, Düsternbrooker Weg 2, Kiel University

The Kiel-Gdansk Market Place will bring together scientists and business partners from the maritime sector. Both cities are active in promoting future concepts for sustainable shipping: smart shipping in a smart harbour, including autonomous shipping, modern energy systems and harbour logistics. Both cities have excellent scientific research and innovative maritime industry. This event will promote exchange on scientific evidence, support networking and provide contacts for future cooperation and commercialization of inventions. Kiel as host city will present e.g. the "Clean Autonomous Public Transport Network (CAPTN)", establishing an integrated inner-city mobility chain of autonomous clean modes of transport on water and on land. In addition, the Port of Kiel offers groundbreaking activities like the on-shore power terminal.

### Agenda

#### 10:00 Welcome

Dr. Christian Wagner-Ahlfs, Kiel University / KMS

#### Presentations Kiel

##### CAPTN - Clean Autonomous Public Transport Network

Prof. Dr. Dirk Nowotka, Kiel University,  
Dept. of Computer Science

##### A lab in the waves – a step towards autonomous shipping

Prof. Dr. rer. nat. Hauke Schramm, Institute of Applied  
Computer Science, University of Applied Sciences

##### CAPTN – 5G use cases for the smart fjord (logistics, transport & sport)

Björn Schwarze, CEO Addix

#### Presentations Gdansk

##### Smart Port - Smart Shipping

Dr. Malgorzata Bielenia, University of Gdansk, Institute  
of Maritime Transport and Seaborne Trade

##### Baltic Sea & Space Cluster: Smart Shipping in the sea port

Prof. em UMG Dr. hab. Marek Grzybowski, Baltic Sea &  
Space Cluster, President of the Board

#### Discussion

Wrap-up with Axel Koch, Kiel University, Research and  
Innovation, Head of the Transfer Department

#### 12:30-13:15 Lunch

#### 13:30-18:00 Visits (included coffee break):

On-shore power terminal – Port of Kiel

Ferry transit to East Shore

##### Camera and lidar data collection on the MS Schwentine

Prof. Dr. rer. nat. Hauke Schramm, Institute of Applied  
Computer Science, University of Applied Sciences

#### University of Applied Science:

##### Presentation of Model Tests for the CAPTN Wavelab Demonstrator on Autonomous Clean Shipping

Prof. Dr.-Ing. Hendrik Dankowski, Ship Design and  
Maritime Environmental Protection, Institute of Naval  
Architecture and Maritime Technology

Ferry transit to West Shore

#### 18:00 Reception and Networking

Seeburg Kiel University

**Please register for participation:** [www.maritimes-cluster.de/maritimer-kalender/kiel-gdansk-market-place/](http://www.maritimes-cluster.de/maritimer-kalender/kiel-gdansk-market-place/)

A cooperation of: Kiel University, Maritime Cluster Northern Germany, the nucleus / Wissenschaftszentrum, University of Gdansk, Baltic Sea & Space Cluster (Poland).