

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

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