



## INVITATION

# Windship Day 2024

Engineering facts about the use of  
sail systems for commercial shipping

04.09.2024 | 8:30 - 16:30  
Scientific Sessions

Deutsches Hafenumuseum  
Australiastraße 6, 20457 Hamburg  
On board of tallship „Peking“ moored on the quay  
in front of warehouse 50A.



Participation in the conference is free of charge. Transport between the SMM and the venue will be provided.



In the special ambience of the tallship “Peking”, top-class experts will present and discuss the latest technical developments and prototype tests of innovative wind propulsion systems.

We are pleased to invite you to join experts from the industry to discuss innovative solutions for a more environmentally friendly future on the world's oceans. Join us as we set the course for sustainable development in shipping!

During the conference there will also be the opportunity to explore the ‘Peking’ and learn more about the tallship.

If you would like to participate with **more than two representatives from one organisation, please contact us.**

Visit us at our stand A3.108 at the SMM

**contact:**

Julia Burakov | +49 491 926 1183 | julia.burakov@mariko-leer.de

**scientific coordinators:**

Prof. Dr.-Ing. Jann Strybny | +49 491 92817 5040 | jann.strybny@iwes.fraunhofer.de

Prof. Capt. Michael Vahs | +49 491 92817 5022 | michael.vahs@hs-emden-leer.de

### Registration



# PROGRAM

# Windship Day 2024

Engineering facts about the use of sail systems for commercial shipping

04.09.2024 | 8:30 - 16:30  
Scientific Sessions



8:30 Arrival

9:10 **Welcome by the scientific organisers and the hosts of museum tall ship „Peking“**  
Michael Vahs, Jann Strybny, Fraunhofer WG Sustainable Maritime Mobility, Hochschule Emden/Leer & Fraunhofer IWES  
Hans-Jörg Czech, Bernhard Staubermann, Hamburg Historical Museums Foundation & German Port Museum

9:20 **Inspiration for a future with sailing cargo vessels. (video message)**  
Boris Herrmann, Professional Yachtsman, Team Malizia, Hamburg & Monaco

## 9:30 POLITICAL FRAMEWORK

**Keynote: Wind propulsion for commercial shipping worldwide - Where we are and where we need to go.**  
Gavin Allwright, International Wind Ship Association IWSA, London, Great Britain

**Introduction of sail systems for the merchant fleet in the UK: system suppliers and shipping companies active in wind propulsion**

H. Christoph Enge, Honorary Consul, Council Member of the British Chamber of Commerce in Germany

**Wind propulsion and the role of classification societies.**

Aude Leblanc, Bureau Veritas Group, Paris, France

10:45 Coffee break

## 11:00 RESEARCH

**What performance can we really expect from flettner rotors? – fully automated wind tunnel tests, CFD investigations and field data analysis from the vessel “Annika Braren”.**

Kai Hillers, Arne Daniel, Thole Horstmann, Jann Strybny, Fraunhofer WG Sustainable Maritime Mobility, Hochschule Emden/Leer & Fraunhofer IWES, Leer & Bremerhaven, Germany

**Wind propulsion on trials - evaluating performance of wind-assisted ships.**

Gijs Struijk, MARIN, Maritime Research Institute Netherlands, Wageningen, Netherlands

**Design and building of the multi-purpose sailing vessel “Juren Ae” – concept, important design drivers and first results from sea trials.**

Siegfried Wagner, Sascha Strasser, Thomas Peetz, Michael Vahs, Fraunhofer WG Sustainable Maritime Mobility, Hochschule Emden/Leer & Fraunhofer IWES, Leer, Germany

# PROGRAM

# Windship Day 2024

Engineering facts about the use of sail systems for commercial shipping

04.09.2024 | 8:30 - 16:30  
Scientific Sessions



## 12:15 PANEL DISCUSSION

**Can a green re-industrialization of the shipbuilding sector succeed in Europe on the basis of wind propulsion?**

Guest of honour: Dieter Janecek, Maritime Coordinator of the German Government, Member of the German Bundestag, Berlin together with speakers of the conference

## 12:45 Lunch break

## 13:45 ENGINEERING COMPANIES

**How wind propulsion systems find their way into the practice of a naval architecture engineering company.**

Wolfgang Franzelius, HB Hunte Engineering, Oldenburg, Germany

**Development of carbon fibre wing sails with integrated solar panels.**

Detlev Löll, ARGE Technolog Services, Hamburg & Detlev Löll Engineering Office, Kiel, Germany

**Excellent upwind performance as the key to success? - A crossover between race yachts and sailing systems for commercial shipping.**

Torsten Conradi, Judel&Vrolijk, Bremerhaven, Germany

## 15:00 Coffee break

## 15:15 SUPPLIERS

**Scale-up in suction wings. Larger numbers and larger size units for large ocean-going vessels. Constructive aspects of up-scaling and power prediction using some examples.**

Frank Nieuwenhuis, Econowind, Groningen, Netherlands

**Oceanbird – providing wings for a shipping revolution; technical fundamentals, the conceptual design and power prediction for the one-wing retrofit on the vessel „Tirranna“.**

Niclas Dahl, Oceanbird, Tumba, Sweden

**Optimizing regulatory actions: the role of performance data in environmental decision-making. How wind propulsion industry can help to solve the challenge of decarbonisation.**

Ville Paakkari, Norsepower, Helsinki, Finland

## 16:30 Closing remarks and after-work drink on deck of the „Peking“



All information about the four-masted barque PEKING you can find here: [LOGBUCH](#)

# DIRECTIONS

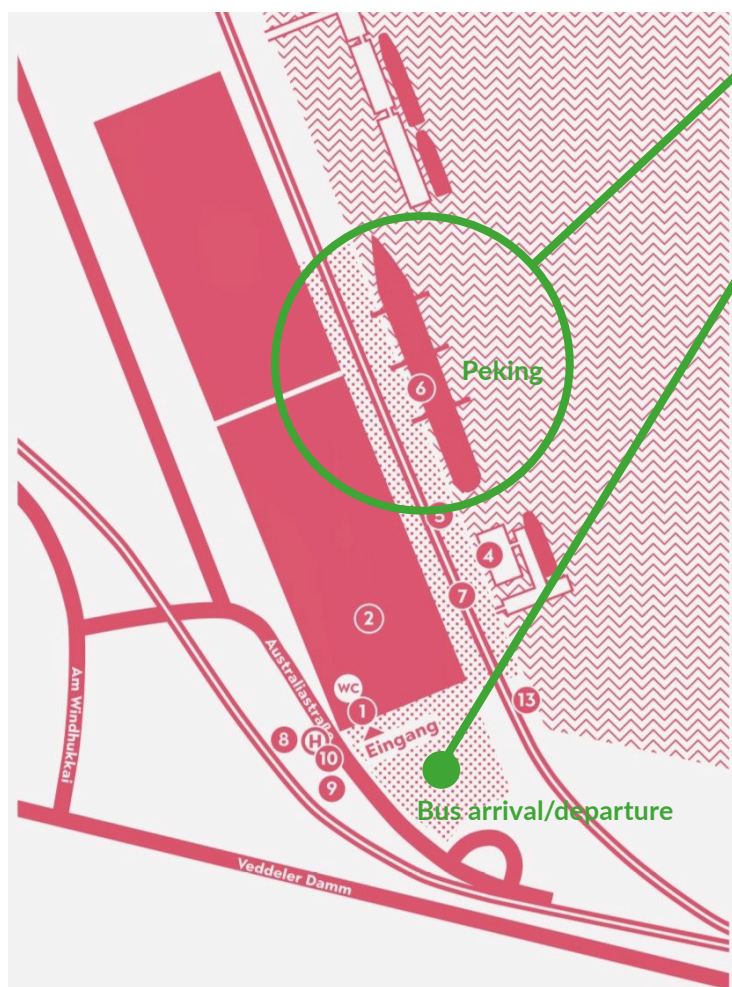
## Windship Day 2024

Deutsches Hafenumuseum  
Australiastraße 6, 20457 Hamburg

On board of tallship „Peking“ moored on the quay  
in front of warehouse 50A.



Please refrain from travelling with your own vehicle, there are **no parking spaces** on site.



### Bus timetable SMM -> Peking

8:00 Meeting point: **Fernsehturm Hamburg**  
12:00 Meeting point: **Fernsehturm Hamburg**

### Bus timetable Peking -> SMM

13:15 Meeting point: „bus arrival/departure“  
17:00 Meeting point: „bus arrival/departure“

As an alternative to travelling to and from the event by bus, you can also use the **S-Bahn**:

(click here for [Google Maps](#))

