



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

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Registration



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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

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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.

Rens Groot, 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 „Tirrana“.

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

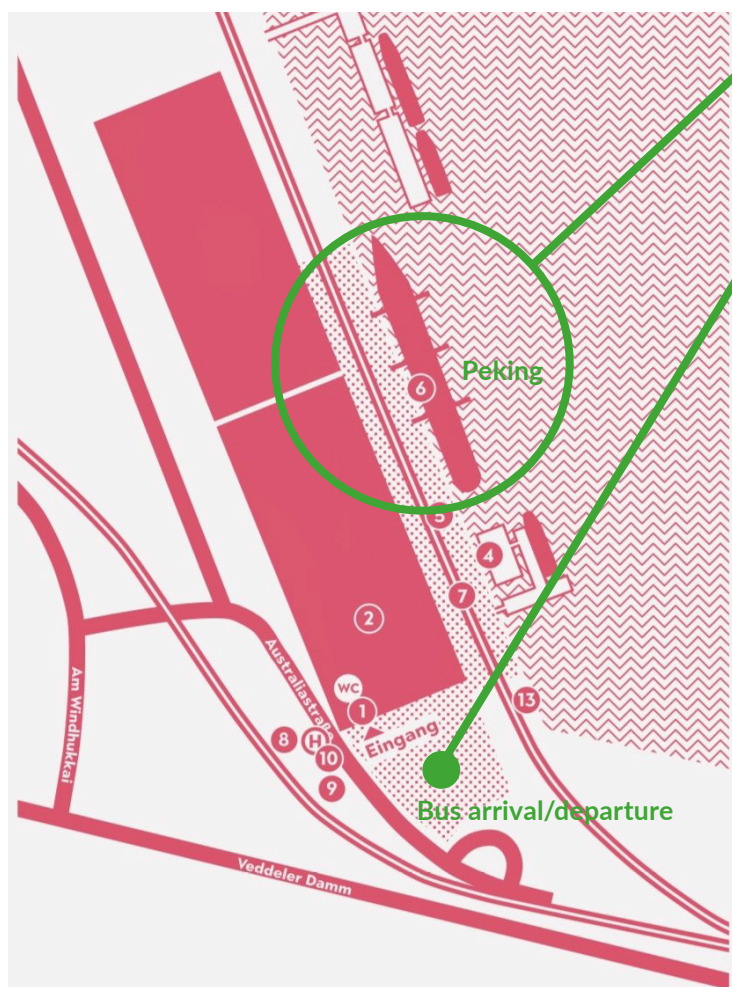
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Please refrain from travelling with your own vehicle, there are **no parking spaces** on site.



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](#))

