

# Local Communities



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## IMarEST BeNeLux Branch - Technical Meeting

### Wind-assisted propulsion

**Speakers:** Rogier Eggers and Michael Vahs  
**Positions:** Senior Project Manager / Professor  
**Companies:** Marin and Hochschule Emden/Leer  
**Websites:** <https://www.marin.com>; [www.hs-emden-leer.de/en/](http://www.hs-emden-leer.de/en/)  
**Date:** Tuesday 29 January 2019  
**Time:** 18:30 – 22:00  
**Venue:** Delft University of Technology – 3ME Faculty – lecture room C (Isaac Newton)  
 Mekelweg 2  
 2628 CD Delft  
**Contact:** [IMarESTBeNeLux@gmail.com](mailto:IMarESTBeNeLux@gmail.com)  
**Parking:** P-Aula or P-3ME; see campus map on <http://www.tudelft.nl/en/contact/>.

Dear member or friend,

You are hereby cordially invited to the coming Technical Meeting of the IMarEST BeNeLux Branch. Details of the programme and additional information can be found below. Your attendance to this Technical Meeting will be much appreciated. I look forward to seeing you on the 29<sup>th</sup> of January.

**Would you kindly let me know if you plan to attend this event by registering [online](#). Please register before Thursday 24<sup>th</sup> of January, so that we can order sufficient refreshments.** Please note we have changed our policy concerning refreshments for non-members of IMarEST. We now kindly ask a contribution to refreshment costs of 5 euro's from non-members. The bank account number of IMarEST BeNeLux branch is: NL67 RABO 0364 6179 69 (no refunds).

Thank you in advance.

Yours sincerely,  
 Erik-Jan Boonen – Honorary Secretary IMarEST Benelux Branch.

## Detailed Programme

18:30 Welcome incl. coffee; meet other attendees  
 19:00 Technical Presentation  
 19:45 (Coffee) Break  
 20:00 Technical Presentation  
 20:45 Discussion / remaining questions  
 21:00 Drinks / Networking event  
 21:45 Closure

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# Abstract

The ambition to achieve substantial reductions of greenhouse gas emissions in the maritime industry is growing and stricter legislation is very likely forthcoming. Whereas this is going to be a big challenge, there are many techniques that are considered. A typical focus is to change to some type of synthetic fuel that then must be produced also without creating much air emissions. But at the forefront should also be the general reduction of energy consumption on ships. And to make big steps there, wind assisted ship propulsion is considered to have high potential for particular ship types and operational scenarios. Past and present research and practical developments in wind propulsion are discussed in the lecture to highlight what it can bring and which questions or hurdles still need to be tackled.



## About the Speakers

### **Rogier Eggers**

Rogier Eggers graduated as MSc Marine Technology at TU Delft. He works at the Maritime Research Institute Netherlands (MARIN) since 2008, currently as Senior Project Manager and Knowledge co-ordinator Manoeuvring. Aside from general projects with scale model testing and simulations of ship behavior, wind assisted ship propulsion has become a relatively large part of the research. This research concerns both the application to real designs and the experimental and numerical techniques to model wind assisted ship propulsion.

### **Michael Vahs**

Michael Vahs, since 2000 appointed professor for ship operation and simulation at "Hochschule Emden-Leer" (University of applied Sciences) has graduated in Maritime Transport from "Hamburg Polytechnical Institute" in 1989 and then undergone a career in the merchant marine on various types of ships up to the Captain's position. After 3 years of studying "Maritime Education and Training" he was appointed as Maritime Lecturer and qualified for Professor's appointment in 2000. At university his field of research has been strongly related to green shipping, in particular the development and operation of sail systems for cargo ships.