

BLUE WEEK

spring session

Programme Tuesday 11th of April, 2017

Royal Netherlands Naval College, Nieuwe Diep 8, Den Helder, The Netherlands

08:30 - 09:00 Welcome with coffee and tea, registration/badges, Building Enys House - centrale hal

09:00 - 09:10 Opening Blue Week Guilhem Gaillarde (MARIN) en Jacoba Bolderheij (Port of Den Helder), grote collegezaal, Enys House

09:10 - 09:40 Key note lecture CE Delft (Dagmar Nelissen) "Reduction and market potentials of wind propulsion technologies for ships and how to reach them"

09:40 - 10:55 **Natural Propulsion**

Grote collegezaal, Enys House

Chairman: Gavin Allwright, IWSA

Analysis of the reduction potential of wind propulsion technologies for ships
Michael Traut, Tyndall Centre

Wingship system

Guy Walker, Windship Technology

Quantifying the attainable fuel savings with wind assisted propulsion
Mark Leslie-Miller, Dykstra Naval Architects

Natural Solution

Maaszaal, Enys House

Chairman: Luis Rueda, MARIN

Drag reduction for ships: Drawing Inspiration from Dolphins
Lars-Uve Schrader, HSVA

Galatea: Bio-inspired AUV

Tim Vercruyssen, TU-Delft / WU

Propulsion & The Art of Learning from Nature
Tom van Tervisga, MARIN

panel discussion (15')

10:55 - 11:15 Break

11:15 - 12:30 Analysis of the market potential and economic effects of wind propulsion technologies for Ships
Dr. Jonathan Köhler, Fraunhofer ISI

Wind assistance and target reduction of the EEDI
Rogier Eggers, MARIN

Low hanging fruits in energy use and operator perspective towards WASP
Gaby Steentjes, MARIN / ex-Flinter

Biologically inspired Force Enhancement for Maritime Propulsion and Manoeuvring
Gabe Weymouth, University Southampton

Bio-inspired design of lifting surfaces (fins, propellers, ..)
Gert-Jan Zondervan, MARIN

The use of sediments to optimize ecosystem services
Arjan Wijdeveld, Deltares

panel discussion (15')

12:30 - 13:30 Lunch

13:30 - 14:45 **Natural Propulsion**

Grote collegezaal, Enys House

Chairman: Gavin Allwright, IWSA

Flettner-rotor technology

Sascha Strasser and Hochschule Emden-Leer Michael Vahs, MARIKO

Shipping in the Arctic - and Further! - Challenges for natural propulsion in a changing environment
Philippe Tammes, Joint Venture Earth and Eelco Leemans, Clean Arctic Alliance



panel discussion (15')

14:45 - 15:05 Break

15:05 - 16:00 Maritime Transport 2.0

Brian Boserup, Blue Technology

WASP, the status of DNA involvement and selected test cases
Gerard Dijkstra, Dykstra Naval Architects

panel discussion (15')

16:00 - 16:30 Pitch presentations new JIP initiatives, grote collegezaal, Enys House

±16:30 Presentation Port of Den Helder and boat trip in harbour

Drinks, Bites and Network



BLUE WEEK

spring session

Programme Wednesday 12th of April, 2017

Royal Netherlands Naval College, Nieuwe Diep 8, Den Helder, The Netherlands

08:30 - 09:00 Welcome with coffee and tea, registration/badges, Building Enys House - centrale hal

09:00 - 09:15 Opening Blue Week Guilhem Gaillarde (MARIN), grote collegezaal, Enys House

09:15 - 10:45 **Ocean Energy seminar 1**

Offshore Wind

Grote collegezaal, Enys House

Chairman: Erik-Jan de Ridder, MARIN

Activities in offshore maintenance

Erik-Jan de Ridder, MARIN

Wind Accelerator

Jan Matthiesen, Carbon Trust

Gemini: Lessons Learnt

Marios Papalexandrou, Gemini

Ocean Energy seminar 2

Ocean Energy

Van Kinsbergenzaal, Main Building

Chairman: Joost Sterenberg, MARIN

More performance from PV panels

Sipco Eggink, Sunfloat

Harnessing the ocean's power

Berend Jan Kleute, Bluerise

On the certification scheme for Marine Renewable Technologies

Laura-Mae Macadré, Bureau Veritas

panel discussion (15')

10:45 - 11:00 Break

11:00 - 12:30 **Ocean Energy seminar 3**

Offshore Wind

Grote collegezaal, Enys House

Chairman: Erik-Jan de Ridder, MARIN

Airborne wind energy

Bernard van Hemert & Willem van Schoten, Ampyx Power en Mocean

Recent research on the behavior of monopiles for the offshore wind industry

Dr. Luke Prendergast, TU Delft

How deep is deep enough - considerations on cable burial requirements

Dirk Luger, Deltares

Blue Life Seminar 1

Multi use and aquaculture

Van Kinsbergenzaal, Main Building

Chairman: Joost Sterenberg, MARIN

Cloud computing: 100x faster simulations for offshore wind turbines

Loup Suja-Thauvin, SIMIS AS

Considerations in decommissioning

Joop Coolen, Wageningen University & Research

Shipbuilder's activities in aquaculture

Yoush van Vlimmeren, Damen

panel discussion (15')

12:30 - 13:30 Lunch

13:30 - 14:00 **Tennets perspective on the North Sea Energy Infrastructure - Thomas Donders, TENNET**, grote collegezaal, Enys House

14:10 - 15:10 **TKI Wind op Zee**

Grote collegezaal, Enys House

Chairman: Bob Meijer, TKI Wind op Zee

Status offshore wind NL

Innovations

Tenders 2017

Kavel V

Blue Life Seminar 2 - Multi use and aquaculture

Van Kinsbergenzaal, Main Building

Chairman: Joost Sterenberg, MARIN

An environmental perspective on multi-use applications for wind farms

Marnix Poelman, Wageningen University & Research

Advancements in the Dutch seaweed sector

Marnix Poelman, Wageningen University & Research

INORE

Simon Burmester, MARIN

panel discussion (15')

15:10 - 15:30 Break

15:30 - 16:15 TKI Wind op Zee, call for research questions

WIIPs Wind op Zee Ernst van Zuijlen, grote collegezaal, Enys House

16:15 - 17:15 Pitch presentations new JIP initiatives, grote collegezaal, Enys House

17:15 - 17:45 Presentation Port of Den Helder and North Sea Energy Gateway,

grote collegezaal, Enys House

Drinks, Bites and Network

