

Project
Vindskip™
on
Seminars

LadeAs

Project Vindskip™ presented for the first time at NorShipping 2013



TEKNA konferansen 3. – 5- desember 2013, DFDS Oslo – Copenhagen –Oslo: Prosjekt Vindskip™ – Hybrid handelsfartøy for bærekraftig transport på sjøen

3. -5.desember, 2013, DFDS Oslo-København-Oslo

Teknologiutvikling og drift av hurtigbåter og ferger

- Nyheter fra næringen
- Bli oppdatert innen teknologi og drift
- Møt kjente og nye kollegaer i bransjen



Tekna – Teknisk-naturvitenskaplig forening

 Tekna

TIRSDAG 3. DESEMBER

09.30	Registrering DFDS / Vippetangen
10.00	Vi går om bord
10.15	Åpningsforedrag Motorutvikling før og nå – endrede rammebetingelser <i>Lars Magne Nerheim, Høyskolen i Bergen</i>

SESJON 1 VINDMØLLEBÅTER

10.45	Nytt design – Vindmøllebåter <i>Edmund Tolo, Fjellstrand verft</i>
11.15	Pause
11.30	Maskineri – Vindmøllebåter – Erfaringer fra design og service <i>Otto Pedersen, Servogear AS</i>
12.00	Prosjekt Vindskip – Hybrid handelsfartøy for bærekraftig transport på sjøen <i>Terje Lade, Lade AS</i>
12.30	Sikkerhetsundersøkelsen etter brannen om bord hurtigruten Nordlys <i>Håvard Bentsen, Statens Havarikommisjon for Transport</i>
13.00	Lunsj

Grøn fjord 2020 KONFERANSEN 22. – 23. januar 2014:

Miljøkrav til skipsfarten og framtidige løysingar





KONFERANSEN

22. -23. januar 2014
Hotel Union Geiranger



Foto: ES-scooter utstilling 2013, Frank Stenrum

Vår visjon Sporlaus ferdsel

- Berre eit luftslott, eller spore til ei berekraftig utvikling?

Dag 2:

Torsdag 23.01	Program	Foreleser
08:15 – 08:30	<i>Kaffi, te, (vi anbefaler utsjekk)</i>	
08:30 – 09:15	Werfenweng - «Sanfte Mobilität - Urlaub vom Auto»	Bürgermeister i Werfenweng Dr. Peter Brandauer
09:15 – 09:45	Green Highway – eit samspel mellom tilrettelegging for grøn infrastruktur og knoppskyting/næringsutvikling	Kjell Inge Stellander Trondheim kommune
09:45 – 10:15	Reiselivsforskning - berekraftig cruiseturisme i fjordane	Forskingsleiar Carlo Aall, Vestlandsforskning
10:15 – 10:30	<i>Pause med noko attåt, (utsjekk)</i>	
10:30 – 11:15	«Grøn revolusjon? Perspektiv på Geirangerfjorden og norsk reiseliv i 2030»	Jan Dietz, Dietz Foresight
11:15 – 11:30	«Videocall»: UNESCO World Heritage Site Glacier Bay, Alaska: «Sustainable cruise management in Glacier Bay»	Scott Gende, Site Manager, Glacier Bay, Alaska
11:30 – 12:00	Miljø- og klimavennleg ferdsel på fjord/til havs del 2: Maritim areal-planlegging, kystsoneforvaltning, Mona Lisa 2.0, sårbarheit av miljø	Annelise Chapman, forskingsleiar Møreforskning
12:00 – 12:30	<i>Pause med noko attåt</i>	
12:30 – 12:50	Fjord1; nye løysingar på fjorden	Arild Austrheim, leiar prosjekt- og nybygging Fjord1 AS
12:50 – 13:15	Miljøkrav til skipsfarten og framtidige løysingar	Terje Lade, maskiningeniør Lade AS
13:15 – 13:45	Omdømme- og merkevarebygging i grønt perspektiv - Meirverdi i praksis - Startskot for rekruttering i Partnerskapet	Ragna Brenne Bjerkeset, TIBE
13:45 – 14:00	<i>Oppsummering og avslutning</i>	
14:00 – 14:45	Lunsj og heimreise for dei som ikkje blir med på miniseminar	
14:45 – 15:00	Avgang organisert buss til Ålesund Lufthavn Vigra	
15:00 – ca. 17:30	Miniseminar miljøvennlege bygg, energisparing, fornybar energi: - Bruk av massivtre i miljøvennlege bygg - Fjordvarme for fjordnære bygg - Energieffektivisering bygg, ENØK kartlegging og energileiing, nettverksam arbeid, fornybar energi og bygg - LED - gatelys – prosjektet	Joakim Dørum, Green Advisers Magne Hjelte, Fjordvarme AS Harald Lillebø, Energiråd AS Einar Haram, Sunnmøre Regionråd

Overordna mål med konferansen: INSPIRASJON og «KICK-OFF»!

Natural Propulsion seminar 16. – 17. mars 2014

TRANSPORT AT SEA BY MAKING SMART USE OF THE ENVIRONMENT:

Vindskip™ – a Hybrid Merchant Vessel powered by the Wind and LNG



MARIN

NATURAL PROPULSION

Seminar Monday March 17th

Natural Propulsion Seminar - 3rd edition
For thousands of years maritime transport has relied on nature's power. Today with the twin challenges of volatile oil prices and impending environmental legislation, serious consideration must be given to economically viable, natural propulsion solutions. Following the success of previous seminars, MARIN is organising a third seminar on Natural Propulsion.

The seminar is organised to present current activities, projects and realisation, to sustain new initiatives, share potential opportunities and to outline upcoming challenges. More than 300 academics, scientists, naval architects, shippers, entrepreneurs and innovators gathered during the previous seminar and shared news about the latest developments and opportunities. We expect the same level of interest in this fascinating field next year.

Programme

08:45 – 09:15 hrs	Welcome and opening BlueWind by Guilhem Gallardo and Sebastian Gureydon
09:15 – 10:30 hrs	Mr. Terje Lade - Lade AS, Norway: 'Vindskip', a Hybrid Merchant Vessel Powered by the Wind and LNG
10:30 – 11:15 hrs	Mr. Giovanni Battaglia and Mr. David J. Mackay - TU Delft, The Netherlands: A Performance Prediction Programme for Wind-Assisted Ship Propulsion
11:15 – 11:45 hrs	Coffee break
11:45 – 12:30 hrs	Prof. Vahs and Mr. Jann Seyberg - University of applied Sciences, Hochschule Emden/Leer, Germany: The Application of Wind-Assisted Propulsion on Short Sea Vessels & CFD on Aerodynamics on Flettner Rotors
12:30 – 13:30 hrs	Lunch
13:30 – 14:15 hrs	Mr. Padar - Laid GmbH, Germany: Design Considerations for BWH Flettner Rotor Construction
14:15 – 15:00 hrs	Mr. Yves Perlier - Beyond the Sea, France: Kite Propulsion
15:00 – 15:30 hrs	Coffee break
15:30 – 16:15 hrs	Mr. Alberto Baltan - 'Sufesail' Pte Ltd, Singapore: Natural Propulsion: Challenges and Opportunities for New Entrants
16:15 – 17:00 hrs	Mr. Marcello Segato - Segato, Italy: The Segato collapsible delta wing sail and engine-wind cruise control: two technologies to use wind power to reduce fuel use in commercial marine
17:00 – 17:45 hrs	Mr. Gavin Allwright - Greenheart, United Kingdom: The Greenheart Project, Sail, Solar and the South Pacific
17:45 – 18:45 hrs	Drinks

MARIN

DE ZEE IS BLAUW LA MER EST BLEUE LA MAR ES AZUL
THE SEA IS BLUE 海是蓝色的 DAS MEER IST BLAU
IL MARE E'BLU LA MAR ES BLAVA O MAR É AZUL

NATURAL SOLUTION

(BIOMIMETIC) Seminar Tuesday March 18th

Biomimetic Hydrodynamics (Natural Solutions) Seminar - 1st edition
Mother Nature is an inexhaustible source of inspiration. However, technological solutions developed for the maritime sector are often driven by the constraints of such a hostile environment and do not much resemble solutions yielded by the evolution of marine species. Nevertheless, many researchers keep on trying to understand the efficiency and creativity behind natural solutions. In order to explore innovative concepts, fresh ideas and current achievements, MARIN proposes its first ever seminar on bio mimetic hydrodynamics.

Programme

08:45 – 09:00 hrs	Welcome by Guilhem Gallardo
09:00 – 09:30 hrs	Mr. Jacques Vermeulen - CHS OREAS BV, The Netherlands: A Systematic Experimental Study on Powering Performance of Flapping Fin Propulsors
09:30 – 10:00 hrs	Mr. Bas Goris and Mr. Patrick Heuts - O-fol, The Netherlands: Industrial perspectives of O-fol propulsion
10:00 – 10:30 hrs	Coffee break
10:30 – 11:00 hrs	Mr. John Palmans, USA: The Effectiveness of Bio-mimetic Personal Fin Propulsion
11:00 – 11:30 hrs	Mr. Arnold van Rans and Mr. Patrick Nieuw - Kofflab BV, The Netherlands: Artificial - Natural stability
11:30 – 12:00 hrs	Mr. Johan van Leeuwen - Head of experimental Zoology Group, Wageningen University, The Netherlands
12:00 – 13:00 hrs	Lunch
13:00 – 13:30 hrs	Quick lunch and joining: FORUM WITH JIP INITIATIVES

Date & venue
Date: Monday and Tuesday March 17 and 18, 2014 from 08:45 - 18:00 hours
Location: Hotel de Nieuwe Wereld, Marikweg 5, 4209 PE Wageningen, the Netherlands
T +31 26-3429044 E info@denieuwewereld.nl I www.hoteldenieuwewereld.nl

Hotel reservations
There are several hotels in the near vicinity of the venue. A list of hotels and prices is found below. Participants can contact the hotels directly and get the special corporate rate when mentioning "MARIN BlueWind 2014".

Distance to venue	Hotel name	Price	Website
0 m	Hotel De Nieuwe Wereld	€ 69,-	www.hoteldenieuwewereld.nl
800 m	Hotel Hof van Wageningen	€ 99,-	www.hofvannageningen.nl
1300 m	Hotel de Wereld	€ 102,50	www.hoteldewereld.nl
1800 m	Hotel de Wageningen Berg	€ 121,-	www.hoteldewageningenberg.nl
30 km	Hotel de Rhenostad Opposite train station Ede-Wageningen	€ 92,50	www.rehonest.nl

Itinerary Hotel de Nieuwe Wereld
By public transport
From NS station Ede-Wageningen you may take bus No. 88 to Wageningen stop Hoogsteeg.
By car
For a route description we refer to: <http://www.denieuwewereld.nl/downloads/Routebeschrijving.pdf>

Parking
Hotel de Nieuwe Wereld has limited parking spaces available. In addition parking spaces can be found in the near vicinity of Hotel De Nieuwe Wereld (along Marikweg). We advise participants to arrive early or to use public transport. Please note that MARIN has no parking spaces available.

Runde Miljøsender 30. mars 2014:

Vindskip™ og miljøkrav i skipsfarten

 **RundeMiljøsender**

[Forskning](#) [Formidling](#) [Konferansesenter](#) [Overnatting](#) [Bildegalleri](#)



Foto: Knut Werner

Runde Miljøsender

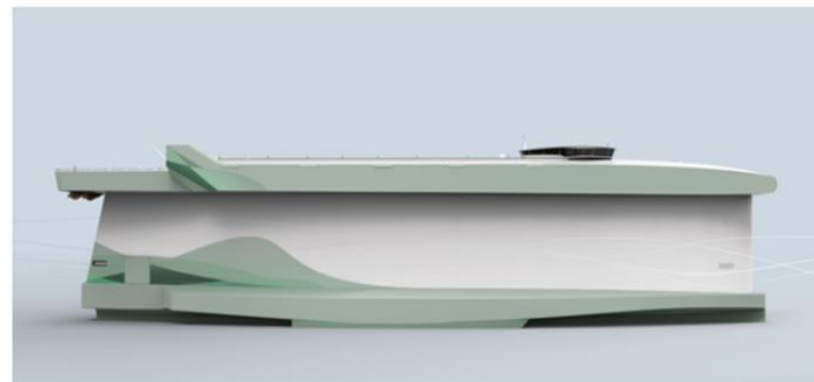
Runde Miljøsender er ein internasjonal miljøforskningsstasjon, eit formidlingsenter og ein møteplass for kurs, seminar og ...



Opningstider

Utstillinga og kaféen er no opne kvar søndag kl 13 - 17.

Senteret er opne for overnatting etter avtale



Vindskip og miljøkrav i skipsfarten

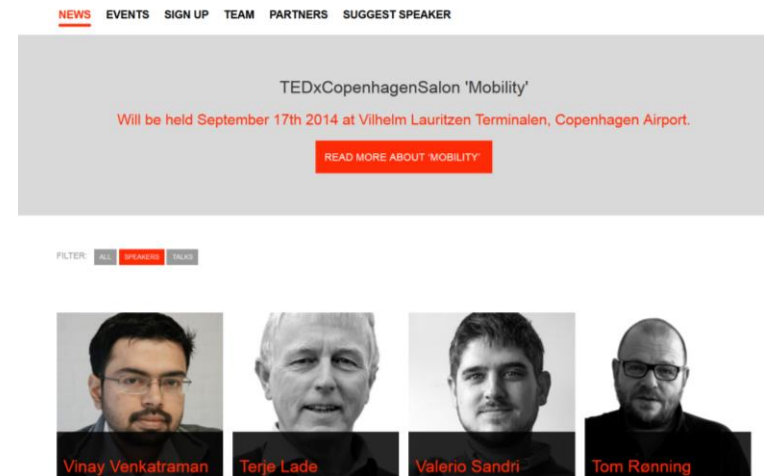
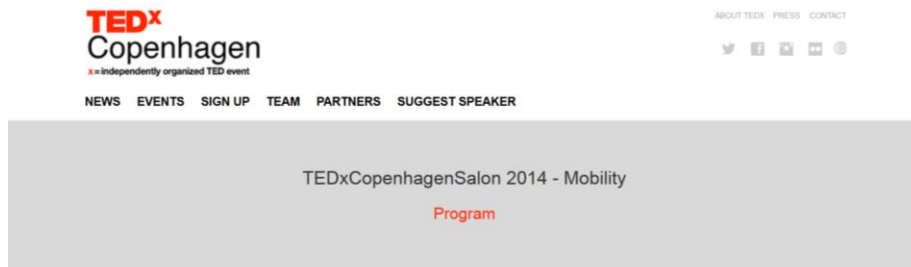
Med Vindskip™ vil oppfinner Terje Lade revolusjonere store delar av skipsfarten. Men kan skipet fungere i praksis? Dei nye miljøkrava til sjøs og løysingane til det nyskapande skipet er tema for søndagsforedraget ved Runde [...]

By [Bjørn Hjelte](#) | 24. mars 2014 | [Aktivitet på senteret](#) | [0 Comments](#)

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TEDx Copenhagen, 17 September 2014:

«Powered by the nature»



SV konferanse om næringspolitikk 8 – 9 november 2014, Molde: Vindskip™ – framtidas transportmiddel til sjøs



Kva skal vi leve av i framtida?

Korleis legge til rette for nyskaping og utvikling av berekraftige arbeidsplassar?

Fylkeslaga til SV i Møre og Romsdal, Sogn og Fjordane og Sør-Trøndelag inviterer til konferanse om næringspolitikk i Molde laurdag 8. – søndag 9. november 2014

Program laurdag 8. november:

- 10.00- 10.15: **Musikalsk start på dagen** ved Dina Misund
Velkomen ved fylkesleiar Oddrun ~~Årflot~~
- 10.15-10.45: **Vi kan vere best, ikkje billegast.**
Stortingsrepresentant Torgeir Knag Fylkesnes, SV:
Verdiskaping og fordeling, berekraft og rettferd.
Om raud-grøne verkemiddel og stimuleringstiltak i næringspolitikken.
- 10.45-11.15: **Det er SV som har den verkelege næringspolitikken.** Tidlegare stortingsrepresentant Alf Holmelid, SV
- 11.15-11.30: Kort pause med kaffi og frukt.**
- 11.30-12.00: **SV som alternativ for industrielle innovatørar?**
Rolf Fiskerstrand, Fiskerstrand BLRT AS: Kva skal til? Industriutvikling i overgangen til lågutslepps-samfunnet. Rammevilkår for å drive næring, særleg i distrikts-Noreg, fornybar energi, nye klimavennlege transportløyningar

- 12.00-12.30: **Vindskip – framtidas transportmiddel til sjøs?**
Manager Terje Lade i Lade AS: Kva må til av endringar i rammevilkåra for at denne typen idear skal kunne prøvast ut/realiserast?
- 12.30-13.15 Lunsj**
- 13.15-14.00: **Kakerlakk og kulturnæring.** Animatør Martine Grande og 1.amanuensis Gunnar Strøm: Industri-animasjon og kulturnæring. Film.
- 14.00-14.40: **Havets sølv.** Forskar Lise Chapman, Møreforsking: Berekraftig næringsutvikling i det store havrommet. Kva skal til for at vi skal lukkast i Noreg?
- 14.40-15.15: **Kløke hovud, pengar og teknologi må flyttast frå olje og gass til effektiv fornybar teknologi**
Fagsjef Arild Skedsmo i WWF
- 15.15 Bagett i handa, tid til ein tur «heimom»**
- 16.30 **Ut på tur, aldri sur!** Avreise til Bioforsk Tingvoll
- 18.20: **15 % økologisk produksjon og forbruk innan 2020 – kvifor og korleis?** Direktør Kristin Sørheim, Bioforsk. Kort presentasjon av Bioforsk økologisk.
- 18.40: **Ein berekraftig matpolitikk – økologisk mat i barnehagar og sjukeheimar.** Rådgjevar Liv Solemdal
- 19.00: **3 5-minuttsinnlegg om ulike prosjekt innanfor landbruk (forundringspakke)**
- 19.20: **Sol- og bioenergi – er det noko å satse på?**
Forskar Ingvar Kvande
- Omvising i sol- og bioenergiseretret, biogass-anlegget og fjøset.**
- 20.00: God, varm økologisk middag med kulturinnslag**

Energy Efficiency in Ships, 11-12 November, London:

Innovation in action: Case Study from Vindskip™



The US Navy: Converting Seawater Into Fuel: 'Game-Changer' Technology- Heather Willauer from US Naval Research Laboratory as a Keynote Speaker!!

- ✓ Heather D. Willauer, Research Chemist, US Naval Research Laboratory
- ✓ Anne-Marie Warris, Consultant, Ecoreflect
- ✓ Neeraj R. Sareen, Commercial Operations Manager, AET
- ✓ Kjeld Roar Jensen, Director, Head of Performance Management, Clipper Group
- ✓ Olivier Baiwir, CEO, Aderco International SA
- ✓ Mårten Storbacka, Managing Director, WE Tech Solutions Oy
- ✓ Nils-Christian Hanke, Assistant Vice President, KfW IPEX-Bank GmbH
- ✓ Melvin Mathews - Director Maritime, Eniram Ltd.
- ✓ Victoria Stulgis, Senior Associate Shipping Operation, Carbon War Room
- ✓ Andrew Bedwin, Fleet Technical Controller, Vships
- ✓ Ravi Mehta, Senior Director, Energy Conservation, Prestige Cruise Holdings LLC
- ✓ Alan McCarthy, Consultant, Eurofin International
- ✓ Helle Gleie, CEO, ITOLEAD Consultancy Group
- ✓ James Anderson, Senior Technical Manager, Caledonian Maritime Assets
- ✓ Dominic Hudson, Senior Lecturer, University of Southampton
- ✓ Omar Frits Eriksson, Director of Maritime Technology, Danish Maritime Authority
- ✓ Oskar Sigthorsson, Consultant, Marorka
- ✓ Magnus Pettersson, Product Manager, Caterpillar Propulsion
- ✓ Pia Meling, Senior Marketing & Communications Manager, Clean Marine
- ✓ Terje Lade, Manager, Lade AS
- ✓ Gamal M. Fekry, CEO, Red Sea Marine Management DMCC
- ✓ Jan Wilhelmsson, Lead Consultant Commercial Shipping, Eniram Ltd



Day Two 12th November 2014

- | | |
|--|---|
| <p>09:00 Coffee and Registration</p> <p>09:30 Chairperson's opening remarks</p> <p style="padding-left: 20px;"><i>Anne-Marie Warris - Consultant, Ecoreflect</i></p> <p>09:40 The Importance of Sustainability in Shipping
Why sustainability is a key driver for energy efficiency in shipping.</p> <p style="padding-left: 20px;"><i>Helle Gleie, CEO, ITOLEAD Consultancy Group</i></p> <p>10:10 Energy savings with data driven energy management</p> <p style="padding-left: 20px;">Data collection is the basis for successful energy management. In this presentation, Marorka will present examples of how data has been used successfully to validate energy saving measures and to increase transparency and awareness for energy management.</p> <p style="padding-left: 20px;"><i>Oskar Sigthorsson, Consultant, Marorka</i></p> <p>10:40 Blade Optimization for Retrofit Projects</p> <p style="padding-left: 20px;"><i>Magnus Pettersson, Product Manager, Caterpillar Propulsion</i></p> <p>11:10 Morning Coffee</p> <p>11:30 Route management and virtual arrival
An easy way to improve fuel efficiency can be to optimize the route thus avoiding delays and waste of fuel. This also has the added benefit of avoiding wasting time and associated costs. This session looks at some ways this can be used.</p> <p style="padding-left: 20px;"><i>Dominic Hudson - Senior Lecturer, University of Southampton</i></p> <p>12:00 e-Navigation
e-Navigation at the Danish Maritime Authority</p> <p style="padding-left: 20px;"><i>Omar Frits Eriksson, Director of Maritime Technology, Danish Maritime Authority</i></p> | <p>12:30 Innovations in action: Case Study from Vindskip</p> <p style="padding-left: 20px;"><i>Terje Lade - Manager, Lade AS</i></p> <p>13:00 Lunch</p> <p>14:00 How scrubbers solve tomorrow's emission problems for shipping?</p> <p style="padding-left: 20px;"><i>Pia Meling, Senior Marketing & Communications Manager, Clean Marine</i></p> <p>14:30 Financing Opportunities for Green Shipping Investments" from a banker's perspective</p> <p style="padding-left: 20px;"><i>Nils-Christian Hanke, Assistant Vice President, KfW IPEX-Bank GmbH</i></p> <p>15:00 Afternoon Coffee</p> <p>15:20 Marine Risk Management</p> <p style="padding-left: 20px;"><i>Gamal M. Fekry, CEO, Red Sea Marine Management DMCC</i></p> <p>15:50 Chairperson's closing remarks</p> <p>16:00 Conclusion of event</p> |
|--|---|



Future Fuels for Shipping, 17-18 November, London:

Case Study: Wind hybrid vessel. Project Vindskip™



Examine the costs and development of 8 different fuel solutions

Lloyd's Maritime Academy presents

Future Fuels for Shipping

Assessing the technical and operational viability of using alternative marine fuels

Monday 17 - Tuesday 18 November 2014
Bonhill House, London

Examine the capabilities and limitations of future marine fuels and propulsion technologies

- Receive a market update on future global fuel trends, investment, and fuel supply and demand
- Gain insight into Maersk Group's biofuel research and recent projects
- Discover why methanol is predicted to be a likely fuel option in the future
- Find out how the industry is responding to environmental regulations and developing clean fuels

Benefit from our practical case study sessions



Case studies: Learn about hybrid merchant vessels powered by wind and LNG and the Hydrogenesis Ferry, the UK's first hydrogen powered ferry



Ship owner spotlight: Maersk Oil Trading discuss recent biofuel tests and sourcing clean marine fuels

NEW! Download the documentation electronically pre seminar. View the documentation on your electronic device at the seminar

Supporting Association:



Registration hotline: +44 (0)20 7017 5510
Email: maritimecustserv@informa.com
Book online: www.lloydsmaritimeacademy.com/futurefuels
an informa business

Official Publication
Lloyd's List
Free five day online trial

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Reader App



Your expert speaker panel includes:



Annick Verhoeven
Business Developer
MAERSK OIL TRADING



Captain Peter W Hall
Chief Executive
INTERNATIONAL BUNKER INDUSTRY ASSOCIATION



Tom Boardley
Marine Director
LLOYD'S REGISTER



Jas Singh
Managing Director
AURIGA ENERGY



Kjeld Aabo
Director
MAN DIESEL & TURBO



Peter Stewart
Chief Energy Analyst
INTERFAX



Tobias King
Engineer, LNG, Cargo Handling & Piping Systems
DNV GL



Stephen Turnock
Professor of Maritime Fluid Dynamics
UNIVERSITY OF SOUTHAMPTON



Terje Lade
Manager
LADE AS

"Good presentations and discussion, good opportunity for networking, good mixture of content"

A McGregor, Consultant Product Supply, Shell

Book by 15 August 2014 and save £200
50% discount for 3rd and subsequent bookings

Developing biofuels for vessels

16.40 SHIP OWNER SPOTLIGHT



Maersk update: Sourcing clean marine fuels Using biofuels in the maritime sector

- Fuel consumption requirements and volume needed
- Commercial aspects of biofuels in terms of producing the same energy as HFO
- Regulatory challenges that need to be overcome
- What types of biofuels are considered?
- Examples of conducted tests

Annick Verhoeven, Business Developer, **MAERSK OIL TRADING**

17.20 Chairman's wrap up

Captain Peter W Hall, Chief Executive, **THE INTERNATIONAL BUNKER INDUSTRY ASSOCIATION**

17.30 Close of day one

DAY TWO: Tuesday 18 November 2014

09.00 Morning tea and coffee

09.30 Chairman's review of day one

Captain Peter W Hall, Chief Executive, **THE INTERNATIONAL BUNKER INDUSTRY ASSOCIATION**

Could hydrogen be an emerging marine fuel?

09.40 Determining the prospects of using hydrogen

- Technical capabilities
 - Meeting clean energy requirements
 - Types of vessels which are suitable for hydrogen
- Dr Tristan Smith**, Lecturer in Energy and Transport, **UNIVERSITY COLLEGE LONDON**

10.20 Morning tea and networking break

10.50 CASE STUDY



The UK's first hydrogen powered ferry

- Examining the Hydrogenesis Ferry operated by Bristol Hydrogen Boats
 - Environmental advantages of hydrogen-powered transport
 - Refuelling vessels
 - Cost and performance analysis
- Jas Singh**, Managing Director, **AURIGA ENERGY**

Determining the potential of alternative energy sources

11.30 Capabilities of renewable energy: Solar powered vessels

- Applications on different vessels
- Powering auxiliary machinery by solar energy when the vessel is in port

12.00 Questions and discussion time

12.15 Lunch

13.15 CASE STUDY



Wind hybrid vessels: Project Vindskip

- Examining the project development of hybrid merchant vessels powered by wind and LNG
- Applications for hybrid vessels including Ro/Ro, PCTC, RoPax, passenger, container and LNG carrier

Terje Lade, Manager, **LADE AS**

14.00 Considerations for nuclear applications

- Safety considerations
 - Case study examples
- Stephen Turnock**, Professor of Maritime Fluid Dynamics, **UNIVERSITY OF SOUTHAMPTON**

14.40 Afternoon tea and networking break

Technology corner: Vessel design and propulsion options

15.10 Vessel design developments

- Can vessels be retrofitted to run on different fuels?
- Overview of new build design concepts for different fuels
- Examining the costs of retrofits and new builds

15.50 Reviewing fuel cells for ship service and propulsion power

- Are these a promising option?
 - Cost reduction of components
 - Using fuel cell applications in ports
 - Suitability for residential use, research ships and submarines
 - Fuel cell programmes to date
- Kristine Bruun Ludvigsen**, Senior Researcher, **DNV GL**

16.30 Chairman's concluding remarks

Captain Peter W Hall, Chief Executive, **THE INTERNATIONAL BUNKER INDUSTRY ASSOCIATION**

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Avanserte Fartøyer

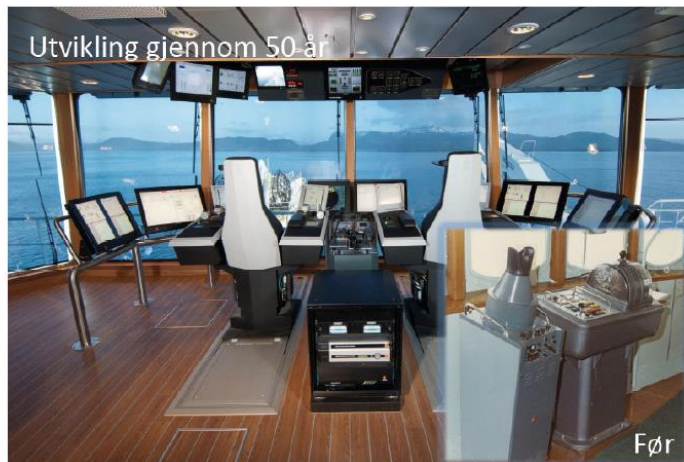
Norsk Forening for Automatisering 19 – 20 November, Tønsberg:

«Vindskip™ kan bli fremtidens miljøvennlige lasteskip»

Avanserte fartøyer 2014

19. - 20. november

Quality hotel Tønsberg



NFA har siden 2004 arrangert «Avanserte fartøyer» og konferansen er blitt en viktig møteplass for alle som arbeider innenfor maritim virksomhet.

Arrangementskomiteen har lagt vekt på å vise den store utviklingen som skjer i norsk sjøfart, så vel operasjonelt som teknologisk. Det gjøres i dag en stor innsats for å bedre miljø og sikkerhet i maritim virksomhet. Dette vil også bli viet stor oppmerksomhet på konferansen.

Konferansen passer for aktører innenfor maritim næring, classeselskap og myndigheter, samt maritim F&U og utdanningsinstitusjoner.

Vi ønsker å styrke rederienes innflytelse og påvirkning av utviklingen som skjer i teknologi og driftsstøtte hos verft og leverandørindustri. Vi oppfordrer derfor spesielt rederier til å delta på konferansen.

19. november

09.00 Registrering / kaffe

09.45 Åpning og velkommen

Lars Anfinn Ekornsæter, adm. direktør, NFA

10.00 Innledningsinnlegg

Geir Håøy, adm. direktør, Kongsberg Maritime

Regelverk og sikkerhet

Møteleder: Karl Hovden

10.30 Man-machinery. Hendelser og hva vi kan gjøre bedre for at konsekvenser med feil fra mennesker blir mindre

Tor Inge Sætre, CEO, Adept Solutions AS

11.00 Enhanced System Verification

Knut Morken, Project Manager,
Global Maritime

11.30 Lunsj

Energi og miljø

Møteleder: Ivar Andersen

12.30 DP3 vessels operated with Closed Ring Power Plants. How to ride through faults and avoid blackouts

Stig Settemsdal, Global Head of Drilling
Solutions, Siemens

13.00 QUEST-system for diesel-elektrisk fremdrift

Ottar Skjervheim, Norwegian Electric Systems

13.30 Pause / besøk stands

14.00 EMIP – Rederisamarbeid om energieffektivisering

Christoffer Bøhmer, Manager Fuel Efficiency,
Torvald Klaveness

14.30 Vessel Performance

Ketil O. Paulsen, Technical Director,
Kongsberg Maritime

15.00 Maritime Battery Systems

Synne Opsand, Consultant Environment
and Energy Efficiency, DNV GL

15.30 Pause / besøk stands

16.00 STADT STASCHO – effektive elektriske framdriftssystem

Hallvard Slettevoll, Managing Director,
Stadt AS

16.30 «Vindskip kan bli fremtidens miljøvennlige lasteskip»

Terje Lade, Manager, Lade AS

17.00 Avslutning

19.00 Middag