08:30 to 09:30 GMT+0200

Doors Open

09:30 to 10:40 GMT+0200

Open to Outsiders: Translating Neighboring Industry Knowledge and Innovations to FOW Development

Success stories and projects of companies from other sectors translating their technologies and practices to benefit floating wind and how to leverage these cross-sectoral applications.

Chairman: Daniel Averbuch, Innovation Program Manager, IFPEN

Iain Grainger, IMCA

Addressing safety in FOW

Brian Boye, Semco Maritime

Offshore Digitalisation

Guilherm Poullennec, RTE

Shared R&D Roadmap Targeting Floating OSS

Vincent Ladougne, PontiCelli

Translating Neighboring Industry Knowledge and Innovations to FOW Development

Stephan Buller, Siemens Gamesa

Transferring Learnings from Bottom fixed to Floating projects

Brian Boye
Semco Maritime
Senior Manager, Telecom Systems

Daniel Averbuch
GreenWITS
CEO

Guilherm Poullennec
RTE
Responsible for R&D roadmap

Iain Grainger
International Marine Contractors Association (IMCA)
Head of Energy Transition

Stephan Buller
Siemens Gamesa
Head of Offshore Portfolio Management & Floating Offshore Wind

Vincent Ladougne
PontiCelli
Business Development Director

09:30 to 10:40 GMT+0200

Technical Session 1 - Meteoceanic conditions characterization & Environmental Integration

New solutions to anticipate and respond to environmental challenges.

Chairwoman: Bruna de Queiroz, Senior Oceanographer, Wood Thilsted

Chris Vibert, BP

How can we capitalise on Maximum Operating Sea-State (MOSS)?

Robin Marcille, FEM

Deep-Learning based ultra-short-term forecasting of met-ocean variables for the planification and execution of floating wind O&M

Alexis Martin, Sofresid

Sampling complex multidirectional environmental conditions: a guide to flexible choices and meaningful durations associations

Emma Gouze, EDF Renewables

Provence Grand Large – Technologies to observe further at sea: qualify the interactions between birds and FOWT

Alexis Martin
Sofresid
Naval Architecture department manager

Bruna de Queiroz
Wood Thilsted
Senior Oceanographer

Chris Vibert
BP
Mechanical Lead Engineer – Offshore Wind Turbines

Emma Gouze
EDF Renewables
Environmental Manager

Robin Marcille
France Energies Marines
PhD Student

10:40 to 11:10 GMT+0200

Coffee Break

11:10 to 12:20 GMT+0200

Technical Session 2 - FOWT design tools, digital twins & control optimization

How to analyze and safeguard the integrity of subsea lines and cables.

Chairman: Maxime Thys, Research Manager in Experimental Hydrodynamics, SINTEF Ocean

Félicien Bonnefoy, Ecole Centrale de Nantes

Wave basin experiments coupled with aerodynamic numerical simulations for FOWT studies

Jason Jonkman, NREL

Recent Floating Wind Modelling Enhancements in OpenFAST

Edgar Perez, Vestas

Effect of floater pitch motion on power production and structural loads

Adrien Hirvoas, FEM

Digital twin of floating offshore wind turbine for fatigue estimation of key structural elements

Amr Hegazy, Delft Center for Systems and Control

Rejecting wave disturbances on floating wind turbines

Adrien Hirvoas
France Energies Marines
Researcher in mathematics applied to ORE

Amr Hegazy
Delft Center for Systems and Control
PhD Candidate in Wind Turbine Control

Félicien Bonnefoy
Ecole Centrale de Nantes
Assistant-Professor

Jason Jonkman
National Renewable Energy Laboratory
Principal Engineer

Maxime Thys
SINTEF Ocean
Research Manager in Experimental Hydrodynamics

Thea Vanelli
Vestas
Loads and Control Engineer

11:10 to 12:20 GMT+0200

Training & Skills

Challenges faced by the sector to respond to the growing industry, solutions brought about by key players and perspectives for the future as the industry reaches maturity.

Chairwoman: Jane Cooper, Director of offshore wind, RenewableUK

Hugo Blanchet, Pôle Mer Méditerranée

Frank Emil Moen, Energy Innovation

Technical Skills for Harmonised Offshore Renewable Energy

Tomás Romagosa Cabezudo, AEE

Benoit Jaudon, SLB

Benoit Jaudon
SLB
Center Engineering Manager

Frank Emil Moen
Energy Innovation
CEO / Managing Partner

Hugo Blanchet
Pôle Mer Méditerranée
Project Manager Marine Renewable Energies

Jane Cooper
RenewableUK
Director of Offshore Wind

Tomás Romagosa Cabezudo
Spanish Wind Energy Association (AEE)
Technical Director

12:20 to 13:50 GMT+0200

Lunchtime Cocktail

13:50 to 15:00 GMT+0200

O&M and Decommissioning

Costs that can make or break a commercial-scale project.

Chairman: Alistair Morris, The Carbon Trust

Denis Matha, Ramboll

Decommissioning Costs in Floating Wind – Assessment of key drivers for large scale commercial projects

Ilmas Bayati, Peak Wind

Major Components Replacement in Floating Wind: data from real operations and technology outlook

Andreas Buvarp Aardal, Fred. Olsen 1848

Yaw control of single point moored floating wind turbines

Thomas Marty, Principle Power

Floating wind turbines: low-to-shore procedure for large correctives

Aurélie Klein, Valemo

Alistair Morris
The Carbon Trust
Senior Offshore Wind Associate

Andreas Buvarp Aardal
Fred. Olsen 1848
Senior Design and Development Engineer

Aurélie Klein
Valemo
Offshore Wind Project Manager

Denis Matha
Ramboll
Head of Floating Wind

Ilmas Bayati
Peak Wind
Head of Floating Wind Excellence & Lead Consultant

Thomas Marty
Principle Power
KOWL project Manager/ Tender Manager

13:50 to 15:00 GMT+0200

Technical Session 3 – Mooring lines & Power cables

Utilizing new technologies to optimize monitoring, maintenance and costs

Chairman: Thomas Soulard, SEM-REV project manager, Ecole Centrale de Nantes

Mike Archer, The Carbon Trust

Mooring challenges – redundancy: reliability, and integrity

Oscar Festa, University of Southampton

Neural Network-based optimisation of compliant moorings for FOWTs

Matthew Hamilton, ORE Catapult

Cable Typology & Connector Comparison

Franck Schoefs, University of Nantes

Dynamic power cables facing marine growth: quantifying the effects for design and monitoring

Franck Schoefs
Nantes Université
Professor

Matthew Hamilton
ORE Catapult
Project Manager – Floating Wind

Mike Archer
Carbon Trust
Offshore Wind – Associate

Oscar Festa
University of Southampton
PhD Student

Thomas Soulard
Ecole Centrale de Nantes
Research Engineer

15:00 to 15:15 GMT+0200

Coffee Break

15:15 to 16:25 GMT+0200

Minimizing Carbon Footprint

Optimizing local value creation and ROI.

Chairwoman: Dr Eva Julius-Philipp, Director Environment & Sustainability Unit BA Wind, Vattenfall

Magali Mourès, BW Ideol

Key drivers to improve carbon footprint of floating wind substructure

Lewis Stevenson, ORE Catapult

FOW Substructure and Mooring Carbon Reduction Analysis

Tim Mueller, Kongsteln

Floater Manufacturing, Transport, and Installation. Does it cost more to minimize carbon footprint?

François-Xavier Sireta, DNV France

Insights on carbon footprint of floating wind projects from cradle to grave

Dr Eva Julius-Philipp
Vattenfall
Director Environment & Sustainability Unit BA Wind

François-Xavier Sireta
DNV France
Market Manager France

Lewis Stevenson
ORE Catapult
Floating Wind Engineer

Magali Mourès
BW Ideol
Deputy Chief Technology and Innovation Officer

Tim Müller
Kongsteln
Floating Offshore Wind Lead

15:15 to 16:25 GMT+0200

Technical Session 4 - New concepts of FOWTs

Results of the latest innovations to drive the deployment of FOW.

Chairman: Paul Franc, Renewable Energy Engineer, ADEME

Alistair Lee, Principle Power

ShallowFloat: Designing a mooring system for shallow water using TPI SeaSpirings

Benoit Augier, ifremer

Effect of motion of the performance of vertical axis wind turbines for floating

Carlos Casanovas, X1 Wind

The PivotBuoy Project: a Case Study of a Single Point Mooring system with a TLP

Gaspard Engel, Ecole Centrale de Nantes

Validation of Hexafloat platform in irregular wave conditions

Emmanuel Branlard, NREL

Validation of a digital twin solution for floating offshore wind turbines using measurements from the full-scale TetraSpar prototype

Alistair Lee
Principle Power
Moorings and Cables Engineer

Benoit Augier
ifremer
Researcher

Carlos Casanovas
X1 Wind
CTO

Emmanuel Branlard
NREL

Gaspard Engel
Ecole Centrale de Nantes
PhD Candidate

Paul Franc
ADEME
Renewable Energy Engineer

16:25 to 16:35 GMT+0200

Announcing FOWT 2024 & Closing Speech

Christophe Avellan
Pôle Mer Méditerranée
Director

Matthieu Monnier
French Wind Energy Association
Deputy-CEO