Wednesday 17 January

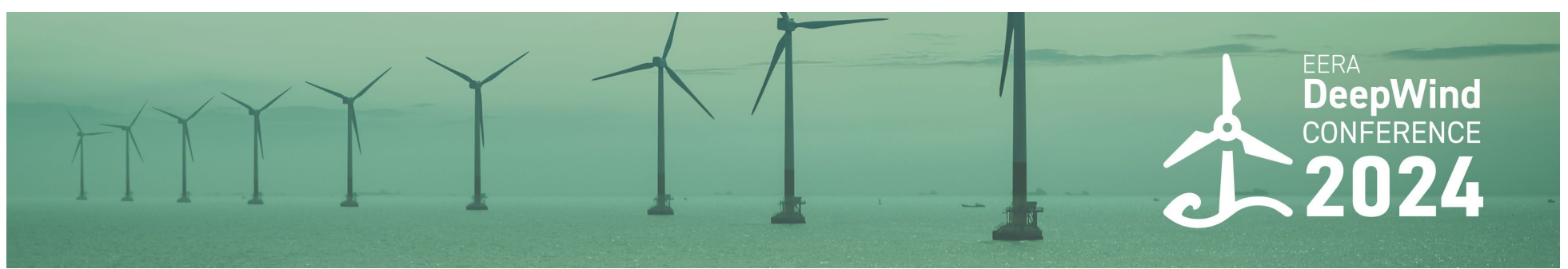|	**Opening session – Frontiers of science and technology** **Chairs: John Olav Tande, SINTEF and Trond Kvamsdal, NTNU**
09.00	Welcome by chair
09.05	Opening by State Secretary Astrid Bergmål, Norwegian Ministry of Energy
09.15	European Union research and innovation on wind energy, Enrico DEGIORGIS, European Commission, DG Research and Innovation
09.30	China's progress on offshore wind, technology, research, and innovation, Yongqian Liu, Professor, North China Electric Power University
09.45	Delivering offshore wind technology, Fergus Costello, Siemens Energy (TBC)
10.00	Experience and potential for floating wind farms, Hanne Wigum, Equinor (TBC)
10.15	Development of the offshore grid, Nenad Keseric, Statnett
10.30	**Break**
10.45	Strategic Research and Innovation Agenda 2025-2027, Jacob Edmonds, SVP Ørsted
11.00	EERA JP wind towards a European Centre of Excellence, Ignacio Martí, DTU, director EERA JP wind
11.15	Panel debate: offshore wind industry challenges and the way forward
11.55	Closing by chair
12.00	**Lunch**

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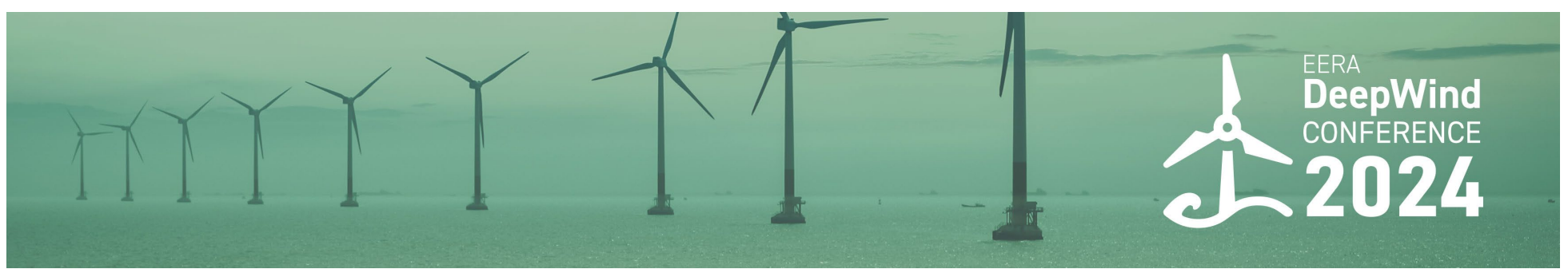
Wednesday 17 January cont. with parallel sessions

|	1A) New turbine and generator technology Chairs: Valentin Chabaud, SINTEF, Gerard van Bussel, TU Delft and Peter Eecen, TNO	1B) Metocean conditions Chairs: Joachim Reuder, University of Bergen and Etienne Cheynet, University of Bergen	1C) Experimental testing and validation Chairs: Tor Anders Nygaard, IFE and Ole David Økland, SINTEF
1300	Introduction by chair	Introduction by chair	Introduction by chair
1305	An improved, coupled frequency domain model for floating wind turbines including aerodynamics, hydrodynamics and controllers, G. Bouman, Maritime Research Institute Netherlands (MARIN)	Below the clouds: Taming a weather-related measurement error of floating lidar systems, F. Kelberlau, Fugro Norway AS	Effects of Motion, Waves, and Current on Heave Plate Hydrodynamics in Floating Wind Turbines, J.M. Rodrigues, SINTEF
1320		Climatology of low-level jets in Scandinavia for offshore wind applications and a variety of datasets, C. Michel, Norwegian Meteorological Institute	
1335	Revolutionising Offshore Wind Energy: The 20MW Drivetrain Concept Study, J. Robson, Offshore Renewable Energy Catapult (OREC)	A design-oriented fatigue Design Load Cases selection method for floating offshore wind turbines, H. Pineau, Sofresid	Hybrid testing system development for single point mooring lines fowts, O. Pires, CENER
1350	Comparing fatigue and ultimate loads of two- and three-bladed 20MW floating offshore wind turbines, F. Anstock, Hamburg University of Applied Sciences	Assessment of offshore wind climate in coastal areas of Japan using single scanning Doppler LiDAR, A. Mano, RENOVA, Inc.	Experimental validation of new data processing strategies for dynamic monitoring of floating wind turbines, F. Pimenta, University of Porto
1405	Generator Efficiency Optimization in a Counter-Rotating Axis Floating Tilted Turbine, I. Simonsson, Uppsala Universitet	Improvements in Sea and Swell Separation for Offshore Industry Applications, S. Kistner, DHI	Data-driven estimation of higher-order transfer functions, D. Stamenov, Aarhus University
1420	Moderated discussion	Turbulence measurement by using vertical lidar and its validation at an offshore Met Mast, A. Yamagushi, The University of Tokyo	An Experimental Study for Global Performance of a FOWT using Real Time Hybrid Method, Yoon-Jin Ha, Korea Research Institute of Ships and Ocean Engineering
1435	Break		

Wednesday 17 January cont. with parallel sessions

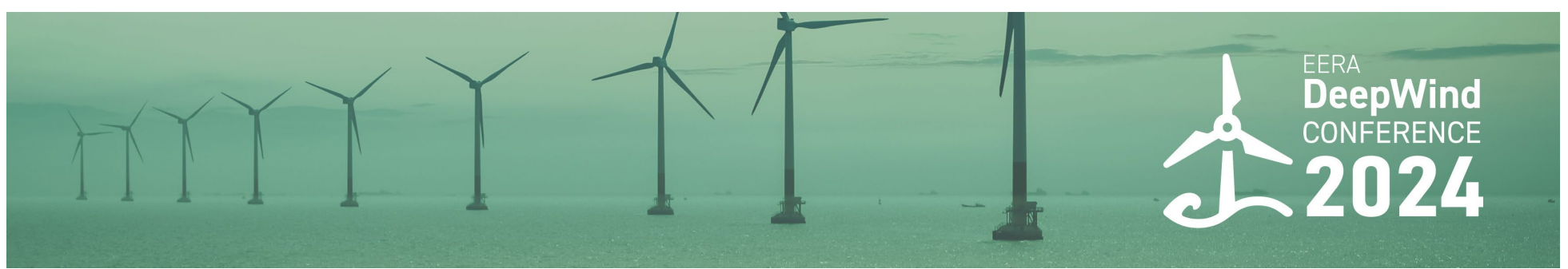|	2A) New turbine and generator technology (cont.)	2B) Metocean conditions (cont.)	2C) Experimental testing and validation (cont.)
1505	Dynamic Simulation and 3D Visualization of a Floating Wind Turbine Using Counter-Rotating Vertical Axis Turbines, I. Simonsson, Uppsala Universitet	CFD study on droplet impact to predict the rain induced erosion of wind turbine blades, D.S. Edirisinghe, South East Technological University, Carlow Campus, Ireland	Floating wind turbine response to directionally spread storm waves, A. Sithik, DTU
1520	Power-train design for XROTOR wind turbine including wireless power transmission and multi-level DAB converters, S.A. Mortazavizadeh, University of Strathclyde	Unveiling the Dynamics: Flow Variability in and Around Offshore Wind Farms, M. Bakhoday-Paskyabi, University of Bergen	Pressure distribution solution in time domain of FOWTs with fully coupled multi-fidelity approach, G. Campaña-Alonso, CENER
1535	Modelled Cost Reductions for the X-Rotor Offshore Wind Turbine, F.Devoy Mcauliffe, University College Cork	Wind Flow Observations using Nacelle Lidars: A Study on the University of Stavanger Campus, L. Vogt, University of Stavanger	A method to assess extreme breaking wave loads in design of floating offshore wind turbines, J.F Filipot, France Energies Marines
1550	XROTOR disruptive wind turbine advanced aerodynamic analysis using CFD; Méndez López Beatriz, CENER	Insights in wind field reconstruction from two nacelles LiDAR in the same offshore wind farm, R. Marini, Vrije Universiteit Brussel	Comparison of classical and drone based hard-target methodologies applied to scanning lidar for offshore wind, A. Oldroyd, Oldbaum Services
1605	Moderated discussion	Applying triple collocation for verifying wind resource measurements and reanalysis data, J. Gotschall, Fraunhofer IWES	Wind turbine rotors in surge motion: Relevance of the returning wake effect for large-scale FOWT, C.W. Schulz, TUHH, Hamburg University of Technology
1620	Closing by chair	Closing by chair	Closing by chair
1630	Break		
1800	**Conference reception and poster session:** Music, finger-food and drinks at Radisson Blue Royal Garden Hotel combined with poster session. Posters listed on next pages.		
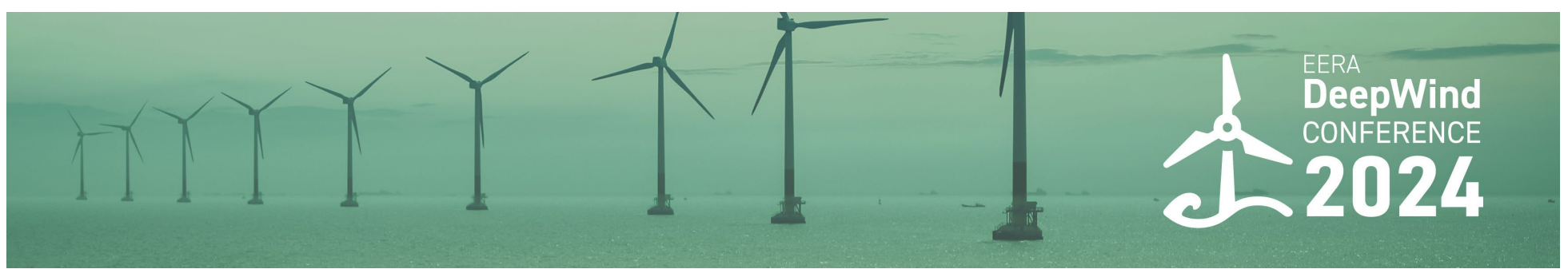
Thursday 18 January

|	3A) Grid connection and power system integration – Chairs: Kjetil Uhlen, NTNU & Olimpo Anaya-Lara, Uni. Strathclyde	3B) Substructures and mooring Chairs: Arno van Wingerde, Fraunhofer & Michael Muskulus, NTNU	3C) Operation & Maintenance Chairs: Iver B. Sperstad, SINTEF and Jonas Kaczenski, Fraunhofer
0900	Introduction by chair	Introduction by chair	Introduction by chair
0905	Analysing a grid-forming storage hub for an offshore platform cluster supplied by wind energy, D. Mota, SINTEF	Frequency domain structural analysis for early design of floating wind systems using Sesam and Bladed, A. Alexandre, DNV	Application of systems safety principles for O&M of floating offshore wind, D. Rowell, University of Strathclyde
0920	Subsea collector - enabling simple, robust and cost-effective renewable offshore power generation, A.E. Løtveit, Aker Solutions		
0935	Synergies and Trade-offs between Hydrogen and Offshore Wind Investments in the North Sea Region, D. Reulein, NTNU	Improved Floating Offshore Wind Turbine support structure design through Instantaneous Centre of Rotation identification, K. Patryniak, University of Strathclyde	Enhancing Wind Farm O&M with SCADA Data-Based Early Fault Detection: Feasibility and Industry Expectations, V. von Maltzahn, Fraunhofer IWES
0950	Offshore grid optimisation for 30 GW of Norwegian offshore wind, H. Svendsen, SINTEF	Optimizing Platform Configurations in the Early Design Phase of Floating Wind Turbines, J. Azcona Armendáriz, CENER	Method and application for cost-effective monitoring of floating wind turbines using a hybrid digital twin, F. Savenije, TNO
1005	Evolution of transmission system design for offshore wind, H. Kirkeby, Sea Breeze Electrical Consulting	Effects of wave-current coupling on dynamic responses of a 15MW spar-type floating wind turbine, Z. Xin, Shanghai Jiao Tong University	Integrating Human and Organisational Factors into Prognostics and Health Management Framework for Wind Farms, A. Keprate, OsloMet University
1020	Influence of wind farm fault current control strategies on distance protection during unsymmetrical faults, A. Holdyk, SINTEF		Daylight Considerations for Offshore Wind Operations and Maintenance, O.J. Donnelly, University of Strathclyde
1035	Break		
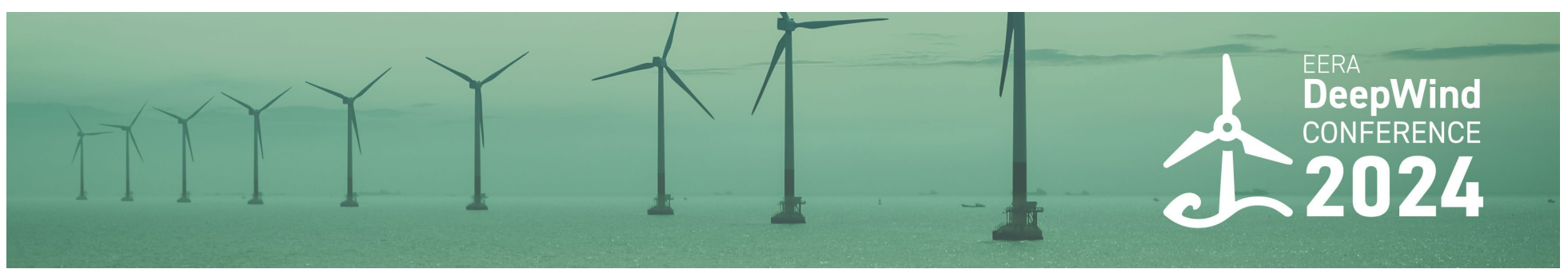
Thursday 18 January, cont.

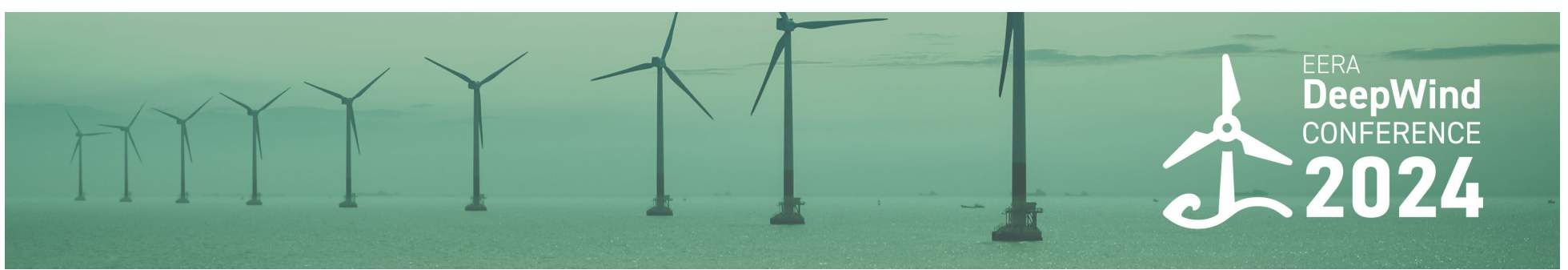|	4A) Grid connection and power system integration (cont.)	4B) Substructures and mooring (cont.)	4C) Operation & Maintenance (cont.)
1050	Offshore Wind Farms Reliability Evaluation Using RelyPES, S.A. Hosseini, AAU University	Calibration and implementation of a design tool for drag anchors in clay, S.D. Nielsen, COWI AS	Optical-Thermal Video Data Fusion for Near Real-time Non-contact Blade Damage Detection in Spinning Wind Turbines, C. Xiao, Technical University of Oslo
1105	Value of line packing hydrogen for offshore wind energy transport and storage, J. Withers, Offshore Renewable Energy Catapult	A macro model for suction anchors in floating offshore wind optimisation, Y. Wang, Norwegian Geotechnical Institute	Algorithm Reliability in the Development of Offshore Wind Turbine Digital Twins, H. del Pozo Gonzalez, Catalonia Institute for Energy Research (IREC)
1120	Economic assessment of damage-aware wind farm control for secondary regulation provision, S. Chapaloglou, SINTEF	Investigating Alternative Application Ranges for Floating Offshore Wind, M. Leimeister, Fraunhofer IWES	Simulation of an Adaptive Operating Strategy to Extend the Lifetime of Wind Turbine Gearboxes, L. Binanzer, University of Stuttgart
1135	Transmission investment and the system benefits of offshore wind, S. Gill, The Energy Landscape		A comparative analysis of major component repair strategies for floating offshore wind, K. Saeed, University of Strathclyde
1150	Closing by chair	Closing by chair	Closing by chair
1200	**Lunch**		

Thursday 18 January cont.

	5A) Wind farm optimization Chairs: Yngve Heggelund, NORCE and Henrik Bredmose, DTU	5B) Wind farm control Chairs: Irene Eguinoa, CENER and Paul McKeever, ORE Catapult	5C) Societal impact and regulatory framework Chairs: Rita V. D'Oliveira Bouman, NTNU and Lena Kitzing, DTU; and Catherine Banet, UiO
1300	Introduction by chair	Introduction by chair	Introduction by chair
1305	Optimization of Mooring Configurations for Minimized Wake Effects in Floating Wind Farms, Y. Alkarem, University of Maine	Controller influence on the fatigue of a floating wind turbine and load case impact assessment, A. Sanchez, NAUTILUS	People on Offshore wind: How to develop Utsira Nord in a just and inclusive way, S. Heidenreich, NTNU
1335	Mooring optimization for compliant floating wind turbines using adaptive particle swarm optimization with regrouping behavior, M.D. Kallinger, IREC, Catalonia Institute for Energy Research	Comparing feedforward individual pitch control performance of large floating offshore wind turbines, A.J. Russell, IDCORE	Wind Energy Development in Norway: Exploring the Emotional Landscape, S.H. Lundheim, NTNU
1350	Comparison of quasi-static and dynamic mooring line models for shared mooring floating wind farms, V. Ramachandran Nair Rajasree, NTNU	Coordinated control of single point moored floating multi-wind turbines under fault events and shutdowns, I. Eguinoa, CENER	An analysis of fishermen's concerns about wind farms and knowledge gaps in Norway, D. Dankel, SINTEF
1405	Assessing the influence of nonlinear mooring forces in the optimization and design of FOWT, G. Amaral, University of São Paulo	Dynamic analysis of a quasi-static reinforcement-learning approach for wake steering, V. Chabaud, SINTEF	Legal framework for electricity market design offshore, C. Banet, University of Oslo, Faculty of Law
1420	Tradespace Exploration of Floating Offshore Wind Mooring Systems, E. Lozon, NREL	Impact of Wake Control Strategies on the Mooring Line Loads of Floating Wind Farms, H. del Pozo Gonzalez, Catalonia Institute for Energy Research (IREC)	Informed Public Opinions and Decision Making through Digital Twins, F. Stadtmann, NTNU
1435	Break		
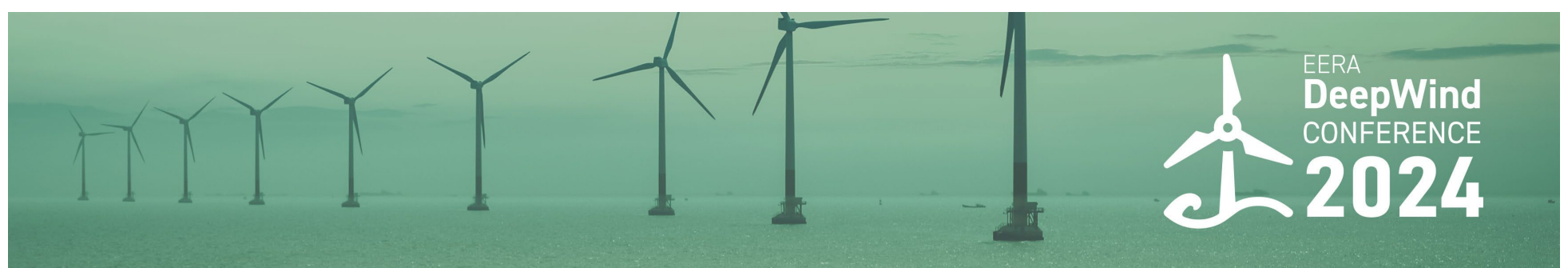
Thursday 18 January cont.

	6A) Wind farm optimization (cont.)	6B) Substructures and mooring (cont.)	6C) Side-event: EU-calls
1500	Introduction by chair	Introduction by chair	Workshop on Horizon Europe and Innovation Fund
1505	Modelling of rain-induced erosion of wind turbine blades within an offshore wind cluster, D. van Binsbergen, NTNU	A semi-analytical approach for dynamic responses of monopile-supported offshore wind turbines subjected to ship impacts, A. Hammad, NTNU	There exist several funding opportunities in Europe for offshore wind. Horizon Europe has put a high emphasis on wind energy and 82MEUR is allocated to wind energy projects in the work programme for 2023-2024. Moreover, EU Innovation Fund has just opened a call for demonstration projects in offshore wind with deadline 4 of April. 4000MEUR is available in the Innovation Fund for projects.
1520	A wind farm layout optimization including momentum-conserving wake superposition and meandering correction, J. Bartl, HVL	An efficient approach for inducing extreme second-order surge response in catenary-moored offshore wind substructures, D. Lande-Sudall, Western Norway University of Applied Sciences	
1535	Increasing the profitability of floating offshore wind by co-located subsea energy storage, R. Juhlin, Subsea 7		
1550	A Design Perspective: What Distinguishes Floating Wind Farms with Conventional- and Shared Mooring Systems? S.H. Nybø, SINTEF/NTNU	Ice-capable floating wind turbine structures: loads assessment of the TetraTLP concept, S. Tocci-Bovin, Stiesdal Offshore	At this side event, Norwegian Offshore Wind, and Innovation Norway, in cooperation with FME Northwind and EERA JP wind, will present EU funding opportunities in offshore wind, and carry out a workshop for project development.
1605	Design optimization of floating offshore wind farms using a steady state motion and flow model, J. Feng, DTU Wind	Reliability-Based Operability Limits for Offshore Wind Turbines under Seismic Loads, S. Kashyap, Indian Institute of Technology Madras	
1620	Closing by chair	Closing by chair	
16.30	Break		
17.00	**Poster session and pre-dinner refreshments (posters listed on next pages)**		
19.00	**Conference festive dinner**		

Friday 19 January

	7A) Environmental impact Chairs: Roel May, NINA, and Dorothy Dankel, SINTEF	7B) Marine operations and logistics Chairs: Henning Braaten, SINTEF and Elin Halvorsen-Weare, SINTEF
0900	Introduction by chair	Introduction by chair
0905	Seabird vulnerability to offshore wind farms: an individual-based modelling approach, L. Buckingham, NINA	Tow-out of a Semi-submersible Floating Offshore Wind Turbine, D. Yin, SINTEF
0935	Lifecycle impact assessment of offshore wind farms on migrating bird diversity in the North Sea, E.J. Critchley, NINA Lifecycle impacts of offshore wind energy development on marine mammals, T. Kvalnes, NINA	Innovative Benchmarking of Offshore Wind O&M Strategies via AIS Data Analysis, D. Baumgärtner, Fraunhofer IWES
0950	Environmental impacts of floating Hywind Tampen turbine: Noise measurement during WindSYS project's campaign, M. Bakhoday-Paskyabi, University of Bergen Windfarm noise affects plankton communities in northern marine waters, J.S. Courboules, NTNU	Optimizing maintenance strategies for heavy maintenance operations requiring vessel chartering at offshore wind farms, V.H. Petersen, NTNU
1005	Assessment of microplastics in the sediments around Hywind Scotland OWF, A. Booth, SINTEF	Multibody dynamic assessment of vessel-floater accessibility for floating wind, C. Perez Moreno, PEAK Wind
1020	Closing by chair	Closing by chair
1030	Break	

Friday 19 January (cont.)

1100	**Closing session – Strategic outlook** Chairs: John Olav Tande, SINTEF and Michael Muskulus, NTNU
1100	Introduction by Chair
1105	From trade-offs to solutions: actions needed for sustainable implementation of offshore wind, Nikki Luttikhuis, SINTEF
1120	Marine operations and logistics lessons learnt from Hywind Tampen, Jan Kristian Haukeland, EVP Renewable energy, DOF Subsea
1140	Quantifying effects of characteristic turbulence on floating wind turbine fatigue; Lars Frøyd, 4subsea
1155	Preparing a local community for offshore wind, Grete Møgster, Utsira municipality
1210	NeWindEERA - A new research programme for the European wind sector, Paul McKeever, ORE Catapult
1225	Floating wind development programme, Enova (TBC)
1240	Poster award and closing
1300	Lunch & end of conference
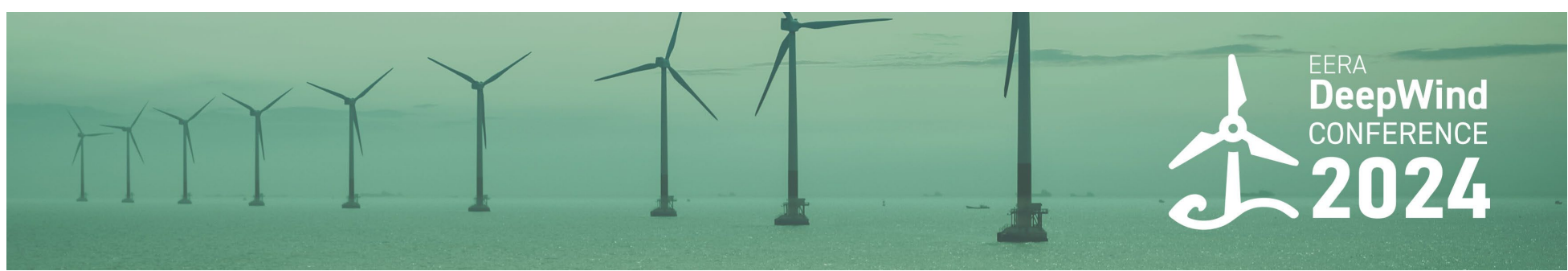
Wednesday 17 January (1800-2000) and Thursday 18 January (1700-1900): Poster session

New turbine and generator technology

- Gaining electricity from wind without power electronics converter, gearbox and permanent magnets, Dr. Vlado Ostovic, Consultant
- Wood towers for off-shore wind turbines - Challenges and opportunities, K. Gamstedt, Uppsala Universitet
- A parameterized model for PM generators, I. Simonsson, Uppsala Universitet
- Numerical Investigations on the Startup Dynamics of S-Rotor Vertical Axis Wind Turbines, T. Asim, Robert Gordon University
- Dynamic Formulation of the Double Multiple Stream Tube Model of Offshore Vertical Axis Wind Turbines, A.G. Sanvito, Politecnico di Milano

Grid connection and power system integration

- Investigation of power and frequency fluctuations on an offshore grid with a small wind farm, H. Haugdal, SINTEF
- Hydrogen Cost Reduction (HyCoRe) – Impact on the UK Electricity and Gas Networks, J. Nwobu, ORE Catapult
- Dynamic cables for offshore floating wind – Impact of floater characteristics on cable fatigue life, A. Johanson, Nexans
- The effect of cable voltage level and conductor material on floating wind greenhouse gas emissions, A. Johanson, Nexans
- 66 kV vs. 132 kV collection grids, T. Treider, SINTEF
- Electrification of offshore O&G platforms through large offshore wind farms, A. Smith, SINTEF
- Deep Water Hydrogen Generation Technology Powered by Offshore Wind Turbines, E. Greenbaum, GTA, Inc.

Met-ocean conditions

- Reduction of wind climatology, I. Barstad, Norconsult
- Assessment of motion compensated turbulence intensity by a Floating LiDAR System, S. Yahiaoui, AKROCEAN
- Wind farm layout assessment in Sørlige Nordsjø II using the FLORIS framework and NORA3 dataset, H. Wallestad, Universitetet I Bergen
- IEA Wind Task 49: WP1 - Reference Site Conditions for Floating Wind Arrays, S. Creane, University College Dublin
- Metocean Engine: Developing Open-Access Tools for In-Depth Metocean Analysis, K. Christakos, NTNU & MET Norway
- Collocating reanalysis and measured wind data: A case study on the verification of CERRA, F. Rouholahnejad, Fraunhofer IWES
- Accuracy assessment of offshore wind observations partially compensated by MCP method considering data availability, K. Enoki, Obayashi Corporation
- Extending Turbulence Measurements to 300m: Aiming to Retrieve All Wind Components from Vertical Velocity, E. Cheynet, University of Bergen
- Large-scale deployment of wind lidar, J. Gottshcall, Fraunhofer IWES
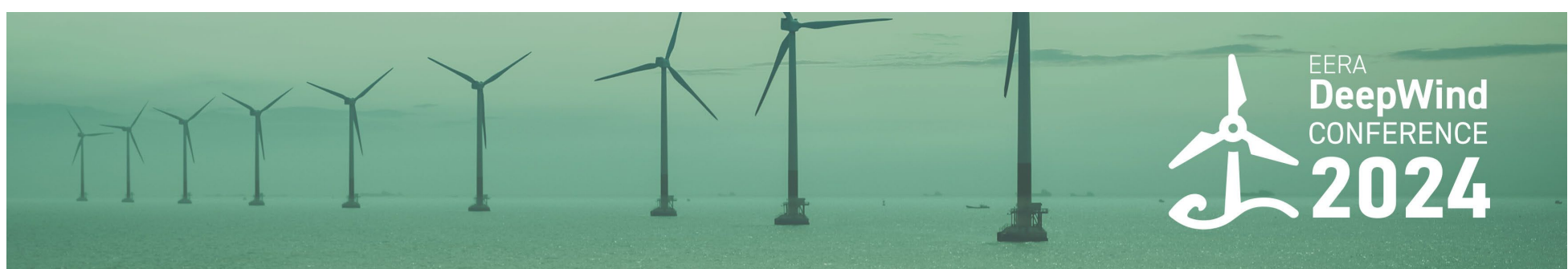
Wednesday 17 January (1800-2000) and Thursday 18 January (1700-1900): Poster session (cont.)

Operation and maintenance
- Structural Health Monitoring of synthetic mooring lines for semi-submersible wind floaters under varying environmental conditions, C. Sakaris, NORCE AS
- A dynamic simulation-based methodology for systematic assessment of workability on floating wind turbines, J.U.W. Lange, PEAK Wind
- Active versus passive O&M systems, C.O. Jensen, Stiesdal
- Deep Learning Enabled Data-Driven Detection of Wind Turbine Operating Conditions Using Transformer Networks, T. Lichtenstein, Fraunhofer IWES
- Thermographic detection of leading-edge erosion and AI-based image processing, I. Lapšanská, Bundesanstalt für Materialforschung und -prüfung
- Unlocking enhanced efficiency in Floating Wind Turbine structural analysis using neural networks for response estimation, M. O'shea, UCC
- Unsupervised Deep Learning Image Processing for Anomaly Detection in Offshore Wind Turbines, S. Sheikhi, Høyskolen Kristiania
- Condition monitoring of offshore wind turbine generators using machine learning of phase-resolved partial discharge plots, P. Kinghorn, ORE Catapult
- Sensor Concepts for Gear Damage Detection in Wind Power Drives, R. Merkle, University of Stuttgart, Institute of Machine Components (IMA)
- Using Large Language Models to Recommend Repair Actions for Offshore Wind Maintenance, C. Walker, University of Hull
- Experimental investigation of the relation between operating conditions and offshore wind turbine drivetrain dynamics, K. Kestel, Vrije Universiteit Brussel
- A neural network-based motion prediction of semi-submersible floating platform for offshore wind, H.H. Mian, NTNU

Substructures and mooring
- Virtual tank tests to optimize floater design for single point mooring configurations, B. Méndez López, CENER
- Efficient calculation of FEM based stress for floating wind substructures, H. Bredmose, DTU Wind
- Demonstration of Floating offshore wind energy at the Black Sea - BLOW project, J.L. Domínguez-García, Catalonia Institute for Energy Research (IREC)
- Engineering Challenges and Opportunities for Gravity-Based Foundations Supporting Offshore Wind Turbines, A.S. Gundersen, NGI
- Summary of the three-year Honeymooring R&D project for shared mooring of floating wind farms, F-C. Wickmann Hanssen, Semar AS
- Approaches and Challenges in FEED and Detailed Design Process of Floating Substructures, M. Karch, Rambøll
- Consideration of Climate Change in support structure design of 25-MW wind turbine for long-term safety, Yong Yook Kim, Institute for Advanced Engineering
- Proof of concept for a stability analysis tool for floating wind turbines structures, B. Pamfil, Technical University of Denmark
- Mooring line materials for mini-TLP platforms, S. Papadopoulou, ETME
- Hydrodynamic Performance of Three-Legged Semi-submersible Substructure for Floating Offshore Wind Turbine (FOWT), K. Pathak, IIT Madras
- Efficient numerical modeling for analysis and design of ultra large floating wind turbines (EMULF2), F. Pierella, DTU Wind Energy
- Static and dynamic study of mooring lines by using an advanced nonlinear rod model, B.A. Roccia, University of Bergen
- Influence of Frequency Dependent Wave Spreading on Offshore Wind Turbine Design, G.V. Ryan, University of Oxford
- Non-Linear hydrodynamic modelling of mooring loads and wave breaking, A.S. Sharma, Western Norway University of Applied Sciences
- The optimisation and analysis of SPAR support structures for 15MW turbines, V. Sykes, The University of Strathclyde
- Virtual Laboratory and the NorthWind Database of Sands, Ø. Torgersrud, Norwegian Geteochnical Institute
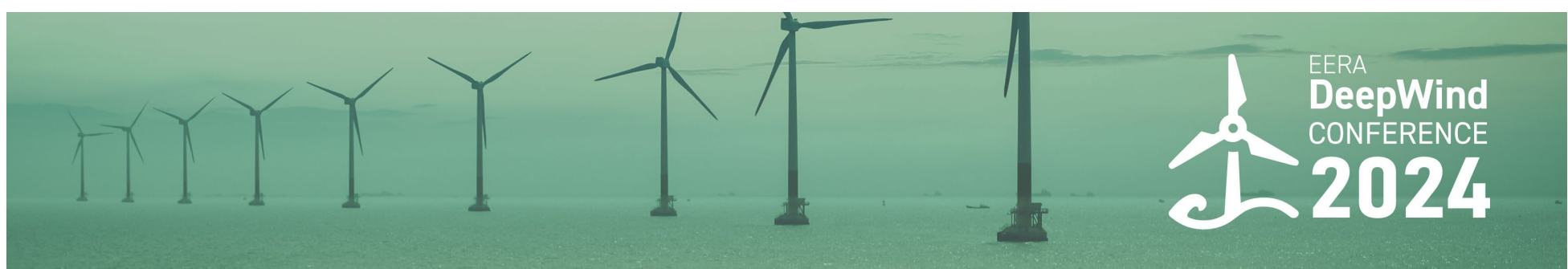
Marine operations and logistics

- Comparative Analysis of Weather Window Estimations: Physics-based versus Machine Learning- Wave Forecasting, A.C. Pillai, University of Exeter
- An analysis of floating wind turbine towing operations using OpenFAST, R.C. Ramachandran, Maritime Research Institute Netherlands (MARIN)
- A Machine Learning Model for the prediction of CO2 Emissions using AIS Data, J. Weigell, Hamburg University Of Technology
- De-risking Scour and Anchor Installation for Floating Offshore Wind through Numerical and Experimental Modelling, C. Creane, University College Dublin
- Offshore wind project installations: advanced approach for weather risk assessments, L.M. De La Torre Castro, Fraunhofer IWES
- Modelling Holistic Onshore Logistics for Decommissioned Wind Farms, V.V Dighe, TNO

Wind farm optimisation

- A Comparative Assessment between Sequentially and Integrated Coupled Analysis Solutions for Offshore Wind Turbine Sub-Structures, D. Duncan, ORE Catapult
- Multi-parametric sensitivity analysis of OPEX and availability results for offshore wind farms decision-making, P. Watissee, PEAK Wind
- Reference Design Cases for Floating Offshore Wind Arrays, F. Devoy Mcauliffe, University College Cork
- Bayesian Optimisation for Offshore Wind Farm Optimisation, S.P. Hellan, University of Edinburgh
- Effect of floating wind turbine motions on wake and wake meandering, B. Panjwani, SINTEF
- A data driven digital-twin suitable reduced-order model for turbulent wake dynamics behind a wind turbine, M. Tabib, SINTEF

Experimental testing and validation

- Application of stage development approach on testing of floating wind turbines: phase I results, A.N. Leite, FloWave Ocean Energy Research Facility
- Comparing vibration and acoustic signals for bolt loosening detection in a scale wind turbine drivetrain, G.L. Reis, Fraunhofer IWES
- Investigating the Relevance of Considering Structural Flexibility in Model Tests of Floating Wind Turbine Systems, M. Leimeister, Fraunhofer IWES
- Calibration and validation of Floating Offshore Sub-Stations numerical model results through experimental tests, M. Vicinay, Nautilus Floating Solutions
- Preliminary studies of acoustic emission for in-situ detection of instabilities in keyhole laser welding, I. Bunaziv, SINTEF
- High-resolution wake measurements using a scanning lidar: a case study in the Belgian offshore zone, P-J. Daems, Vrije Universiteit Brussel
- Regression-based estimation of nonlinear hydrodynamic loads on the INO WINDMOOR 12MW semi-submersible, Ø.Y. Rogne, SINTEF
- FLS200 as a Floating Golden Lidar, S. Coll-Vent, Eolos Floating Lidar Solutions
- Optimal experimental design for system identification of hydrodynamic loading models, D. Stamenov, Aarhus University
- Validation of time-history data through in-situ measurements on an FOWT installed in the Cantabrian Sea, I. Larrinaga, Saitec Offshore Technologies
- Evaluation of the performance of a new multi-component hybrid experimental modeling of FOWTs, V. Leroy, Centrale Nantes
- Thar be dragons, lessons learnt engineering 12 GW of offshore wind cable projects, F. Pistani, Aurora Offshore Engineering

Wind farm control systems

- Data-efficient optimisation of wind farms providing secondary frequency regulation with Bayesian optimisation, K.T. Hoang, NTNU
- Connecting Wind Power to Electrolysers – Control for an Offshore and Off-Grid Approach, A. Stock, Heriot-watt University
- Nonlinear Model Predictive Control for Bird Strike Prevention in Wind Turbines, A.Å. Pedersen, NTNU
- Characterising Wind Direction Variability for Data-Driven Control-Oriented Modelling, S. Dallas, University of Strathclyde
- Implementation of Wake Deflection in the Simple Actuator Disk for Large Eddy Simulation, H.H. Bui, University of Bergen
- Offshore Wind Farm Simulation and Research on Wind Turbine Dynamic Response under Different Yaw Conditions, Y. Liu, Nanjing University of Science & Technology

Societal impact and Regulatory Framework

- Stakeholder Integration in Floating Offshore Wind Projects – An overview of MSP and Innovation Needs, O. Dvorak, Gavin & Doherty Geosolutions
- Transnational experience exchange between countries towards speeding up EU renewable transition: example of Norway-Croatia, I. Lučin, Faculty of Engineering, University of Rijeka
- Evaluating the Offshore Wind Areas Suitability for Sustainable Energy Development in Norway: A Comparative Analysis, E. Villamil, University of Bergen
- Offshore Wind Structures and Shipping: Allision and Collision Liability, O. Bokareva, Lund University
- Mapping wind energy potential to support spatial planning for offshore wind farms in Italy, D. Airoldi, Ricerca sul Sistema Energetico – RSE S.p.A.

Environmental Impact

- From trade-offs to solutions: actions needed for sustainable implementation of offshore wind, N. Luttikhuis, SINTEF
- Chemical leaching from OWF turbine coatings into seawater, A. Booth, SINTEF
- Electromagnetic fields from subsea power cables: A risk driver for biodiversity changes of offshore wind? B.H. Hansen, SINTEF
- Challenges of greenhouse gas assessment of offshore wind farms at the early design life-stage, D.M. Cislo, IDCORE

Version 12-20, December 2023