Tuesday

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
8:30	Registration					
9:00	Opening					
10:00	Coffee Break					
10:30	**Wind farm flows and wakes (111)**	**Wind resources, turbulence, and acoustics (112)**	**Reliability, monitoring and sensing technology (113)**	**Control of wind turbines and wind farms (114)**	**Production, O&M, decommissioning and lifetime extension (115)**	
	Delvaux Theo: A large-eddy simulation analysis of wind-farm axial-induction control strategies in conventionally neutral boundary layers	**Borowski Johanna:** Predicting future wind speeds based on climate model data and MCP methods	**Zacharias Konstantin:** Wind measurements in complex terrain: A combination of met mast and drone-based measurements	**Vanelli Thea:** Wind farm modeling for enhanced performance	**Vetters Jade:** From water to resource: A multi-actor techno-economic analysis of offshore wind farm decommissioning	
	Purohit Shantanu: Effect of wind veer on yawed wind turbine under realistic atmospheric conditions	**Afanasieva Nadiia:** LES Reduction for Lidar-Assisted Wind Field Reconstruction	**Lüdemann Dana Sarah:** Validation of CFD simulations for urban wind flow using Wind Scanner building wake measurements	**Duthé Gregory:** On the potential of graph neural network surrogates for fatigue-aware control and design of wind farms	**Ahmad Yusof Nur Ain Wahidah Binti:** Design and implementation of a novel technique to measure the tensile strength of recycled glass fibres taken from wind turbine blades	
	Bastin Jean: Wind dynamics around large rotors in Baltic Sea conditions	**Patel Ansh:** Lidar measurements of turbulence characteristics for large wind turbines	**Edirisinghe Dylan S.:** Development of a Computational Model to simulate the Whirling Arm Rain Erosion Rig (WARER) Experiments	**Bortolin Davide:** An Experimental and Numerical Study of Static and Dynamic Yaw-based Wake Mixing	**Bouzolin Daniel:** Design for Repowering of Wind Farms	
	Gaiser Annika: Analysis of vertically staggered wind farm setups as a mitigation strategy for wind farm cluster wakes	**Pogumirskis Maksims:** Quantifying biases in the wind forecasted by WRF with wind measurements in the Baltics	**Piovesan Francesco:** Risk-based feasibility assessment and life cycle cost modelling of next generation wind turbine components	**Mirzaei Mohammad Javad:** Enhanced robust control of floating wind conversion system using neural network observer	**Shah Anik Hirenkumar:** Impact of low-frequency fatigue cycles on the lifetime of wind turbines	
	Onnen David: Spectral coherence of wake motions with flow structures and turbine responses	**Sagredo Esperanza:** Wind-field characterization using lidar measurements and proper orthogonal decomposition	**Leone Tiziano:** Wind tunnel numerical modeling for wind farm control strategies	**Sun Haoyuan:** Verifying engineering steady yaw models using actuator disc simulations	**Moynihan Bridget:** Probabilistic offshore wind farm fatigue life estimations to inform decommissioning policy and repowering decision making	
12:10	Lunch					
13:10	**Wind farm flows and wakes (121)**	**Aero-elastic and blade technology (122)**	**Electrical conversion, energy system and wind power-to-X (123)**	**Emerging technologies (124)**		
	Wagner Martin: Stochastic modelling of wind turbine power conversion dynamics using rotor averaged wind speeds	**Varouxis Theodoros:** An Assessment of Kolmogorov-Arnold Network (KAN) in Estimating Wind Turbine Blade Fatigue	**Jiménez-Ruiz Javier:** Modelling ofWind Turbines within the Framework of IEC 61400-27 Standard	**Calzoni Lucrezia:** Mitigation Strategies to Counteract the Fluid-Structure Interference in the Connection Area between the Blade and the Rotor Arm of a Vertical Axis Wind Turbine		
	Krishnan Paranjothi Udhaya Chandiran: Analysing the sensitivity of wind farm-induced gravity waves to blockage-induced rotor diameter to hub height ratio	**Meckelnborg Simon:** Methods for Simulation of Vortex-induced-Vibrations and for Site Specific Design of High Wind Turbine Towers	**Bruninx Max:** Reinforcement learning based control for the next-generation offshore wind-hydrogen farm	**Zulfazli Muhammad Mutthanna Amjad Bin:** X-Rotor Secondary Rotor Aerodynamic Modelling		
	Schøler Jens Peter: Wind Farm Flow Modeling with Neural Operators for Turbine Wake Superposition	**Shah Anik:** Parameterizing low-frequency fatigue cycles to reconstruct lifetime fatigue in wind turbines	**Zheng Fanning:** Assessing the impact of wind farm control strategies on the integrated electricity grid	**Sharma Dishant:** Numerical Investigation of Deep Dynamic Stall on 2 Bladed H-Rotor VAWT using Scaled Resolved Turbulence Model		
14:10	Coffee Break					
15:00	Publishing – Do's and Don'ts	Life after PhD	What´s my Coat of Arms? Self-Guiding Leadership Tools and Practices	Open science: What, why and how?	SASSY	Sustainability in Wind Energy Research
16:00	Publishing – Do's and Don'ts	Life after PhD	What's my Coat of Arms? Self-Guiding Leadership Tools and Practices	Open science: What, why and how?		"Voices of DEI in Wind Energy" community meeting

Wednesday

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
9:00	Scientific Keynotes					
10:00	Coffee Break					
10:30	Industry Keynotes					
12:00	Lunch					

13:00

Wind farm flows and wakes (211)	Wind resources, turbulence, and acoustics (212)	Aero-elastic and blade technology (213)	Production, O&M, decommissioning and lifetime extension (214)	Support structures and geotechnics (215)
Krause Jan: Improvement of a double-Gaussian wake model for complex inflow and operation conditions	**Chapman-Smith Keeta:** Modelling Tropical Cyclones for Safer Farm Design and Operations	**Ribnitzky Daniel:** Advancements on the Hybrid-Lambda blade design and control methodology	**Lipari Tiago:** Impact of Foundation Repair on Wind Turbine Natural Frequencies: A Case Study	**Vandegar Gabriel:** Modeling structural damage for ship collisions against spar floating offshore wind turbines using a deep learning approach
Mohammadi Mohammad Mehdi: Assessment of wind turbine's loads and power generation in forested areas along the diurnal cycle	**Agarwal Nathan:** Evaluation of MYNN and 3DPBL wakes with North Sea in-situ observations	**Cespedes Moreno Juan Felipe:** Impact on loads and AEP from lift correction models in wind turbine roots with thick airfoils	**Madsen Jens Visbech:** Profitability of erosion-safe operation in Norway	**Abdullah Mahmoud:** A Supervised Data-Driven Methodology for Damage Classification in Jacket-Type Wind-Turbine Foundations
Kherlen Jigjid: A simple RANS closure for wind-farms under neutral atmospheric conditions: Model assessment	**Bührend Lukas:** Large Eddy Simulations of Turbulence Regimes in the Stable Boundary Layer	**Wiegant Evert:** Verification of coupling OpenFAST to a GPU-resident LES solver with actuator line model	**Issa Mahmoud:** Investigation of Life Extension Impact and the Financial Viability of Frequency Support Provision from Wind Farms	**Reinhardt Tim:** Ensuring accurate modal properties of blades for the estimation of the second tower mode in offshore wind turbines
Clark Ross: Actuator disc analyses - a comparison of numerical results with new analytical formulations	**Korb Henry:** Simulating Thermally Stratified Boundary Layers with the Lattice Boltzmann Method	**Popi George:** Morphing wind turbine blades for turbulence absorption: a preliminary study	**Benzohra Abdelmalek:** Inspection and Maintenance Planning for Offshore Wind Turbine Support Structures: New Insights	**Eichner Lukas:** LUKAS' JACKET: A test structure for model and monitoring based lifetime management of offshore jacket support structures
Zengler Clemens: Impact of streamwise pressure gradients on aerodynamic turbine performance – a numerical investigation	**Bensignor Isaac:** Physics of Rotor Noise of Vehicles Operating in Urban Environments	**Noroozi Marjan:** Enhanced characterization and modeling of structural damping in Wind Turbine Blade Composites	**Vukobrat Antonina:** Assessing the economic and environmental performance of onshore wind farms	**Nordtorp Frederik:** Force Control in Hybrid Testing

14:40	Coffee Break

15:10

Wind farm flows and wakes (221)	Wind resources, turbulence, and acoustics (222)	Floating wind turbines (223)	Reliability, monitoring and sensing technology (224)
Uluocak Sinem: Detection of turbulent structures of wind turbine inflow using dual WindScanner measurements	**Topić Roko:** Assessment of modelling strategies on complex and forested terrains	**Silwal Kimon:** Investigation of Wake Meandering of a Floating Wind Turbine	**Thurn Jonathan:** Damage detection and localisation of a lattice tower using autocovariance functions of acceleration measurements
Devesse Koen: Demonstrating WAYVE: a Code for Modeling Wind-Farm Gravity-Wave Interaction	**Hernandez Alan:** Optimization of the WRF configuration for accurately predicting operational wind farm data	**Messmer Thomas:** Coherent flow structures in the wake of a floating wind turbine	**Ladopoulou Domna:** Probabilistic Multi-Layer Perceptrons for Wind Farm Condition Monitoring
Ndindayino Olivier: Investigation of the effect of blockage on wind turbine wake development	**Silva Caballero Adrián:** Wind flow dynamics under extreme situations in complex terrains	**Rappe Victor:** Fatigue analysis of floating offshore wind turbines	**Manami Mohammadreza:** Novel Wind Lidar Configurations For Wind Energy Applications
Bellini Federico: Comparison Among Low and Medium Fidelity Models and Experimental Wind Tunnel Data	**Hamzeloo Sima:** Investigation of wind-wave interaction on Marine Atmospheric Boundary Layer: One-Way Coupling between MIKE 3 wave and WRF-LES	**Firpo Agnese:** Actuator Line Modelling of Multi-turbine Interaction in Floating Offshore Conditions	**Cadavid Gil Esteban:** Finite element analysis of the structural behaviour and fatigue life of a dynamic power cable
Liu Jiaxin: Parametric study on the impact of atmospheric inflow characteristics on turbine performance and loads	**Menken Julia:** Impact of atmospheric turbulence and stability on wind turbine wakes measured with a nacelle lidar at WiValdi		**Bull Thomas Serup:** Treatment of uncertainties in digital twin modelling

16:50	
19:00	Conference Dinner

Thursday

	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
9:00	**Wind farm flows and wakes (311)**	**Reliability, monitoring and sensing technology (312)**	**Aero-elastic and blade technology (313)**	**Emerging technologies (314)**		
	Ebrahimi Majid: Offshore wind farm model validation	**Oliveira Catarina:** Population-based monitoring of wind turbines	**Nazari Samira:** Enhancing Antifouling Efficiency of Superhydrophobic Surfaces on Wind Turbine Applications: Micro-Texture and Spreading Diameter Analysis	**Pourmirasghariyan Mirhamed:** Synchronous control of X-Rotor secondary rotors using a virtual synchronous machine		
	Krumbein Sascha: The Underwater Berlin Research Turbine: A Wind Turbine Model for Wake Investigations in a Water Towing Tank	**Galhardo António:** Improving OpenFAST models for wind turbine lifetime prediction using experimental measurements	**Kellaris Konstantinos:** Study of the three-dimensional coherent structures in the wake of flatback airfoils	**Bordignon Matteo:** Estimation of the Absolute Wind Vector for AWE Systems		
	Batista Vasco: Wind farm wake flows under marine conditions	**Plets Jelle:** Remaining fatigue lifetime of welded tubular joints of offshore structures using detailed stress analysis based on 3D scans		**Tan Yoke Wang:** X-Rotor Scaling and Operation with Primary Rotor Generator		
10:00	**Coffee Break**					
10:30	**Control of wind turbines and wind farms (321)**	**Support structures and geotechnics (322)**	**Electrical conversion, energy system and wind power-to-X (323)**	**Floating wind turbines (324)**	**Reliability, monitoring and sensing technology (325)**	
	Aslmostafa Jarchelou Ehsan: Nonlinear robust control approaches for maximizing power generation in floating offshore wind turbines in low-wind Regions	**Sudhakaran Nikhil:** Assessing True Brinelling and Its Implications for Wind Turbine Bearings	**Nenoff Carl:** Influence of floating offshore wind turbine dynamics on bubble covering in proton exchange membrane electrolysers	**De Pascali Marco:** Influence of platform motion on the energy production of a floating wind farm	**Marini Rebeca:** Insights in wind field reconstruction from LiDAR measurements	
	Nilsen Marcus: Autonomous Data-driven Wind Farm Control	**Petry Alice:** Challenges with ice basin tests for offshore wind turbine substructures in Arctic conditions	**Castro Valerio Bernardo:** Analysis of HVDC interconnectors in the North Sea Grid for offshore wind integration	**Al-Ghuwaidi Abdulelah:** Assessing and monitoring low frequency dynamics of floating offshore wind turbines using operational modal analysis	**O'Neill Niall:** Optimization under uncertainty applied to wind farm design and control	
	Duvivier Alban: Optimizing Electrical Stability in Offshore Energy Hubs: An Analysis of Topologies and Solutions	**Napier Aidan:** Load mitigation devices for wind turbine supports and foundations – an early feasibility study	**Useche Mario:** AC Energy Islands for the optimal integration of offshore wind energy resources: Operation Strategies using Multi-Objective Nonlinear Programming	**Kämmerling Max:** On the Generalization of Machine Learning Algorithms for Mooring Line Tension Estimation of Floating Wind Turbines under Unknown Sea Conditions		
11:30	**Closing**					
12:00	**Lunch**					
13:00	**Outreach Activity**					