

# International RAVE Workshop 2022

Program (as of January 21<sup>st</sup> 2022)

**February 03<sup>rd</sup>, 2022 from 10:00 a.m. to 04:00 p.m.**

Event times are in Central European Time (CET; UTC+01:00).

**Virtual event via ms teams**



## 10:00 a.m. Opening Session and Introduction

**10:00 a.m. Bernhard Lange**, Fraunhofer IWES

Opening remarks

**10:10 a.m. Timo Haase**, Federal Ministry for Economic Affairs and Climate Action

Opening speech

**10:30 a.m. Muhammad Omer Khan**, UL International (with DNV and BSH)

Application of machine learning techniques to predict structural sensor data of wind turbines to identify errors in the measured data

**11:00 a.m. Anish Venu**, DNV

Transferability of machine-learning-models to neighbouring windturbines

## 11:20 a.m. Break

**11:40 a.m. Martin Dörenkämper**, Fraunhofer IWES

X-Wakes: Recent results from modelling and measurements of large scale wakes in interaction with the marine atmospheric boundary layer

**12:00 a.m. Linda Menger/ Daniel Leukauf**, Center for Solar Energy and Hydrogen Research Baden-Württemberg (ZSW)

Project ParkCast: AI methods for short term wind power forecast

**12:20 a.m. Frauke Theuer/ Jörg Schneemann/ Marcos Ortensi/ Martin Kühn**, ForWind - University of Oldenburg

Observer-based minute-scale power forecasts at the offshore wind farm Nordergründe - Measurement campaign and forecasting methodology

**12:40 a.m. Maria Krutova**, University of Bergen

LiDAR based retrieval algorithm and its verification using SCADA wind data

## 01:00 p.m. Break

**02:00 p.m. Vanessa Spielmann**, University of Bremen

Methodological approach for sustainable offshore wind farm decommissioning

**02:20 p.m. Karl-Philipp Kortmann**, Leibniz University Hannover

Improved domain adaptation for condition monitoring of wind turbines using representation learning

**02:40 p.m. Lukas Fröhling**, ForWind - Leibniz University Hannover

Development of seastate maps for the German Bight based on real-time data from multiple measuring sites

**03:00 p.m. Andreas Momber**, Muehlhan AG

Digital assessment of coating damages to offshore wind power structures

**03:20 a.m. discussion**

## 03:50 p.m. Thanks and Goodbye

Here you can find more information and the link to dial in : [www.rave-offshore.de](http://www.rave-offshore.de)

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