

# International RAVE Workshop 2023

## Program

**May 11<sup>th</sup>, 2023 from 10:30 a.m. to 05:00 p.m.**

Event times are in Central European Summer Time (CEST; UTC+02:00).

**Hybrid event at the BSH (Bernhard-Nocht-Straße 78, 20359 Hamburg )**



### 10:30 a.m. Opening Session and Introduction

**10:30 a.m. Bernhard Lange**, Fraunhofer IWES

Welcome and Opening Remarks

**10:40 a.m. Nico Nolte**, Federal Maritime and Hydrographic Agency (BSH)

Welcome and Opening Remarks

**10:50 a.m. Daniel Leukauf**, Center for Solar Energy and Hydrogen Research Baden-Württemberg (ZSW)

Project ParkCast: Optimization of Power-Nowcasting for Offshore-Windfarms using long-range Lidar and Data Assimilation.

**11:10 a.m. Corinna Möhrlein**, WEPROG

IEA Wind Recommended Practice Measurement Quality Control and ensemble based Analysis of Observations used in realtime Wind Energy Forecast Applications

**11:30 a.m. Matthias Kretschmer**, Mesh Engineering

Assessment of Structural Loads in Wind Farms under Consideration of Wake Redirection Control

### 12:00 noon Lunch Break

**01:00 p.m. Eric Hines**, Tufts University, Boston

Structural Instrumentation and Monitoring of the Block Island Offshore Wind Farm

**01:20 p.m. Tanja Griebmann**, Leibniz University Hannover (LUH), ForWind Hannover

WEA-Acceptance Data: Database for Benchmarking & Validation: How to conceptualise and set up a Database for Wind Turbine Measurements

**01:40 p.m. Anish Venu**, DNV

How much Data is good Data?

**02:00 p.m. Johannes Fricke**, Fraunhofer IWES

Project FlexiWind: Modelling of Virtual Offshore Wind Farms Regarding Flexible Operation and Optimization of Structural Loads and Performance

**02:20 p.m. Maria Krutova**, University of Bergen

Sensitivity Analysis of the 2D VAR Retrieval Method and the Application to the Wind Turbine Wakes

### 02:40 p.m. Coffee Break

**03:10 p.m. Astrid Lampert/ Martin Dörenkämper**, University Braunschweig, Fraunhofer IWES

X-Wakes: Recent Results from Modelling and Measurements of Large Scale Wakes in Interaction with the Marine Atmospheric Boundary Layer

**03:30 p.m. Johannes Paulsen**, ForWind Oldenburg

Impact of Low Level Jets detected via Remote Sensing Techniques on the Performance of Wind Turbines in the German Bight

**03:50 p.m. Matthias Wächter**, ForWind Oldenburg

Data-driven Models for Wind, Gusts and Loads from Field Measurements

**04:20 p.m. Thilo Grotebrune**, Ludwig Franzius Institute of Hydraulic, Estuarine and Coastal Engineering (LuFi), Leibniz University Hannover  
ForWind Hannover

New Insights into Wave-Current Interactions in the German Bight

### 04:40 p.m. Discussion

### 04:55 p.m. Thanks and Goodbye

The link to participate online follows asap on our RAVE website. [www.rave-offshore.de](http://www.rave-offshore.de)

Due to limited places a registration in advance is required for participation at the location in Hamburg.

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