International RAVE Workshop 2023
Program

May 11th, 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)

RAVE
RESEARCH AT ALPHA VENTUS

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 Möhrlen, WEPROG
IEA Wind Recommended Practice Measurement Quality Control and ensemble based Analysis of Observations used in real-time 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 Grießmann, 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 Retrival Method and the Application to the Wind Turbine Wakes

02:40 p.m. Coffee Break

03:10 p.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

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
New Insights into Wave-Current Interactions in the German Bight

04:40 p.m. Discussion

04:55 p.m. Thanks and Goodbye

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