

Presentations on FINO1

11:30/R1/S1/P3

One Year of Lidar Measurements at FINO1-Platform: Comparison and Verification to Met-Mast Data and a View to the Vertical Wind Profile above the Mast
(D)

A. Westerhellweg, DEWI GmbH, et al.

11:45/R1/S1/P4

New Tasks for FINO1 – The Research Platform after Installation of the First German Offshore Wind Farm “Alpha-Ventus” and the Start of the RAVE Research Programm

T. Neumann, DEWI GmbH, et al.

RAVE Posters – Foyer / Room 4

Poster exhibition with authors present
17.11.2010 / 17:30 – 19:00

The authors will be available for discussions of their posters and answering of questions. A simultaneous translation is not available.

No. 10.4

Underwater Operational Noise Measurements in the Offshore Wind Park alpha ventus, Project Description and First Results

M. Benesch, University of Applied Sciences Flensburg, et al.

No. 10.13

Oceanographic Observation at FINO1 and the Offshore Wind Farm “alpha ventus”

J. G. Fischer, Federal Maritime and Hydrographic Agency (BSH), et al.

Further details see DEWEK programme

Impressum

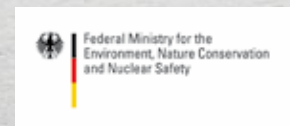
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Coordinator:



Funding Body:



funded on the base of an act of the German Parliament

RAVE Supervisor on behalf of BMU:



RAVE MEETS DEWEK 2010

Summary of RAVE

related presentations at the

10th German Wind Energy Conference

17 - 18 November 2010

in Bremen, Germany

Photo by © DOTI, Matthias Ibeier

The DEWEK 2010 logo, featuring a blue triangle icon to the left of the text "DEWEK 2010" in large blue letters.

The RAVE research initiative is accompanying the construction and operation of the alpha ventus test site to attain a broad basis of experience and expertise for future offshore wind parks.

Several research projects are currently carried out. The main focus is on cost reduction, availability, technology improvement, environmental and ecological impacts of offshore wind energy utilization.

RAVE is funded by the Federal Ministry for the Environment, Nature Conservation and Reactor Safety (BMU) following a resolution by the German Federal Parliament. RAVE is co-ordinated by Fraunhofer IWES.

Legend

(E) = in English

(D) = in German / slides in English

R1 = Room 1, R2 = Room 2, ...

S1 = Session 1, S2 = Session 2, ...

P1 = Presentation No. 1 in this Session, ...

11:00/R1/S1/P1

RAVE - Joint Research Development and Testing at Alpha Ventus (E)

M. Durstewitz, Fraunhofer IWES, et al.

11:15/R1/S1/P2

Final Results of the Joint Project "Development of LIDAR Wind Sensing for the German Offshore Test Site" (D)

A. Rettenmeier, Endowed Chair of Wind Energy, University of Stuttgart, et al.

11:45/R3/S3/P4

Damage Identification at Offshore Wind Energy Converters Using the Multi-Parameter Eigenvalue Problem (E)

R. Rolfes, Inst. of Structural Analysis, Leibniz Universität Hannover, et al.

14:00/R3/S6/P2

Further Development of a 5 MW Turbine towards a 6.15 MW Turbine – Experience After One Year of Onshore Operation (D)

B. Johannsen, REpower Systems AG, et al.

16:00/R2/S8/P1

Adaption of Turbulence Parameterization in Reynolds-averaged Wind Field Simulation Models to Offshore Conditions (E)

R. Foreman, Karlsruhe Institute of Technology, Institute for Meteorology and Climate Research, et al.

Further details see DEWEK programme

09:30/R1/S10/P5

Influence of Vertical Wind Shear on IEC and Langevin Power Curves (E)

M. Wächter, ForWind, Carl von Ossietzky University Oldenburg, et al.

11:00/R1/S13/P2

Statistical Load Estimation Using a Nacelle-Based Lidar System (E)

O. Bischoff, Endowed Chair of Wind Energy, University of Stuttgart, et al.

11:15/R1/S13/P3

Validation of a Dynamic Meandering Model with Near Wake Lidar Measurements (E)

J. J. Trujillo, ForWind, Carl von Ossietzky University Oldenburg, et al.

15:45/R1/S19/P1

Integrated Simulation of the Repower 5 MW Offshore Wind Turbine With Jacket Support Structure Validated by Alpha Ventus Measurement Data (E)

J. Dubois, ForWind, Inst. for Steel Construction, Leibniz Universität Hannover, et al.

16:45/R1/S19/P5

Research at the First German Offshore Wind Park Alpha Ventus – RAVE Instrumentation and Sensor Data Processing of AV07 (E)

D. Kühnel, DEWI GmbH, et al.

Further details see DEWEK programme