

Publikationsliste / List of publications

DEWI GmbH (Deutsches Windenergie Institut)

Projektname: Verifikation von Offshore-WEA
Kurzname in Rave: OWEA (FKZ 0327696B)
Stand: März 2013

Aufsätze / Papers

A. Westerhellweg, T. Neumann, V. Riedel: FINO1 Mast Correction. DEWI Magazin, 40, 2012.

A. Westerhellweg, B. Cañadillas, F. Kinder, T. Neumann: Wind Flow Conditions in offshore Wind Farms: Validation and Application of a CFD Wake Model, GREEN Journal, Band 3, Heft 1, 27–34.

Vorträge / Oral presentations

Tagungen, Symposia, Workshops / Conferences, symposia, workshops

A. Westerhellweg, B. Cañadillas, F. Kinder, T. Neumann: Detailed analysis of offshore wakes based on two years data of Alpha Ventus and comparison with CFD simulations, DEWEK 2012, Bremen.

A. Westerhellweg, B. Cañadillas, F. Kinder, T. Neumann: Farm efficiency and power matrices based on CFD simulations and comparison with measurements. International Conference RAVE 2012, Bremerhaven, May 8-10, 2012.

T. Neumann, F. Kinder, B. Cañadillas, A. Westerhellweg: Investigation of wind flow disturbances by offshore wind turbines based on LIDAR measurements, EWEA 2012, Copenhagen.

T. Neumann, B. Cañadillas, T. Velociter, M. Bardon, B. Siegmeier: First Test of a Nacelle-mounted two-beams Lidar System under offshore Conditions, Oral presentation at EWEA 2011, 14-17 March 2011, Brussels.

Poster / Posters

A. Westerhellweg, B. Cañadillas, F. Kinder, T. Neumann: Wake measurements at alpha ventus - Dependency on stability and turbulence intensity, The Science of Making Torque from Wind 2012, Oldenburg.

A. Westerhellweg, B. Cañadillas, F. Kinder, T. Neumann: Farm Efficiency and Power Matrix based on RANS (CFD) Simulations for the offshore Wind Farm Alpha Ventus and Comparison with Measurements, EWEA 2012, Copenhagen.

A. Westerhellweg, T. Neumann: CFD simulations and measurements of wake effects at the Alpha Ventus offshore wind farm, EOW 2011, Amsterdam.

F. Kinder, A. Westerhellweg, T. Neumann: Meteorological measurements at FINO1 during the existence of the wind farm alpha ventus, EOW 2011, Amsterdam.

B. Cañadillas, T. Neumann, D. Muñoz-Esparza: First insight in offshore wind profiles up to 250 m under free and wind turbine wake flows, EOW 2011, Amsterdam.

A. Bégué, T. Neumann, H. Mellinshoff, B. Cañadillas: Influence of atmospheric stability on wind turbines (WT) power performance at Alpha Ventus offshore wind park, EOW 2011, Amsterdam.

A. Westerhellweg, V. Riedel, T. Neumann: Comparison of Lidar- and UAM-based offshore mast effect corrections, EWEA 2011, Brussels.

A. Westerhellweg, T. Neumann: CFD simulations of wake effects at the Alpha Ventus offshore wind farm, EWEA 2011, Brussels.