Rozenn Wagner - DTU Orbit (19/07/2019)
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Research outputs:

**Calibration of three Nacelle-based Lidars**
Research output: Book/Report › Report – Annual report year: 2017 › Research

**Nacelle lidar for power perf. – the UniTTe approach to retrieve V∞**
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2018 › Research › peer-review

**Power performance verification in complex terrain using nacelle lidars: the Hill of Towie (HoT) campaign**
Research output: Book/Report › Report – Annual report year: 2018 › Research

**Sensitivity analysis of nacelle lidar free stream wind speed measurements to wind-induction reconstruction model and lidar range configuration**
Research output: Book/Report › Report – Annual report year: 2017 › Research › peer-review

**Wind Field Reconstruction from Nacelle-Mounted Lidars Short Range Measurements**
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

**Generic Methodology for Field Calibration of Nacelle-Based Wind Lidars**
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

**Nacelle power curve measurement with spinner anemometer and uncertainty evaluation**
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

**Ten Years of Boundary-Layer and Wind-Power Meteorology at Høvsøre, Denmark**
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

**Wind Turbine Performance Measurements by Means of Dynamic Data Analysis**
Research output: Book/Report › Report – Annual report year: 2016 › Research

**Generic calibration procedures and results for nacelle-based profiling lidars**
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

**Generic calibration procedures for nacelle-based profiling lidars**
Research output: Contribution to conference › Paper – Annual report year: 2015 › Research › peer-review

**Generic calibration procedures for nacelle-based profiling lidars**
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2015 › Research
Generic methodology for calibrating profiling nacelle lidars
Research output: Book/Report › Report – Annual report year: 2015 › Research

Measurement of turbine inflow with a 3D windscanner system and a spinner lidar
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Real world offshore power curve using nacelle mounted and scanning Doppler lidars
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2015 › Research

Remote Sensing for Wind Energy
Research output: Book/Report › Report – Annual report year: 2015 › Research

Uncertainty of power curve measurement with a two-beam nacelle-mounted lidar
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Accounting for the effect of turbulence on wind turbine power curves
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Comparison test of WLS200S-22 (Final)
Research output: Book/Report › Report – Annual report year: 2014 › Research

Nacelle lidar power curve
Research output: Book/Report › Report – Annual report year: 2014 › Research

Optimized lidar scanning patterns for reduced project uncertainty
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Power curve measurement with a nacelle mounted lidar
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Power curve report - with turbulence intensity normalization
Research output: Book/Report › Report – Annual report year: 2014 › Research

Rotor equivalent wind speed for power curve measurement – comparative exercise for IEA Wind Annex 32
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

What makes a nacelle mounted lidar a suitable tool for power performance measurement?
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Windcube + FCR test at Hrgud, Bosnia and Herzegovina
Research output: Book/Report › Report – Annual report year: 2014 › Research › peer-review

Calibration of ground-based Lidar instrument WLS7-226
Research output: Book/Report › Report – Annual report year: 2013 › Research

Calibration of ground-based Lidar instrument WLS7-269
Research output: Book/Report › Report – Annual report year: 2013 › Research

Calibration of ground-based Lidar instrument WLS7-91
Research output: Book/Report › Report – Annual report year: 2013 › Research
Improvement of power curve measurement with lidar wind speed profiles
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Lidar Scanning of Momentum Flux in and above the Atmospheric Surface Layer
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Simulation of shear and turbulence impact on wind turbine performance
Research output: Book/Report › Report – Annual report year: 2010 › Research

Use of Doppler LIDAR for measuring the vertical profiles of wind speed at a coastal site
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research

Comparison of 3D turbulence measurements using three staring wind lidars and a sonic anemometer
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Investigation of turbulence measurements with a continuous wave, conically scanning LiDAR
Research output: Book/Report › Report – Annual report year: 2009 › Research

Investigation of turbulence measurements with a continuous wave, conically scanning LiDAR
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Lidar Profilers in Wind Energy - The State of the Art
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research

Lidar Scanning of Momentum Flux in the Marine Boundary Layer
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research

Multi-MW wind turbine power curve measurements using remote sensing instruments – the first Høvsøre campaign
Research output: Book/Report › Report – Annual report year: 2009 › Research

The influence of the Wind Speed Profile on Wind Turbine Performance Measurements
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Comparison of 3D turbulence measurements using three staring wind lidars and a sonic anemometer
Research output: Book/Report › Report – Annual report year: 2008 › Research

Comparison of 3D turbulence measurements using three staring wind lidars and a sonic anemometer
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research › peer-review

Evaluation of different turbulence models with respect to coherences, spectras and lengthscales
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

Investigation of the measurement of the wind speed standard deviation using a lidar
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

ModObs: Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique. Work in progress within a FP6 Marie Curie Research Training Network
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2008 › Research
Remote sensing used for power curves
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research

Testing and comparison of lidars for profile and turbulence measurements in wind energy
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research

Wind characteristics measurement for large wind turbine power curve
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Influence of wind characteristics on turbine performance
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research

ModObs: "Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique": A new Marie Curie Research Training Network in Europe
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2007 › Research

Projects:

IEC 61400-50-3: Nacelle mounted lidar for wind measurements
Project: Consultancy

Estimation of wind resources in complex terrain based on short scanning lidar time series and meterological modeling
Project: PhD

TrueWind
Project: Research

RECAST: Reduced Assessment Time
Project: Research

Development of an Applied Measurement System for Short Term Power Forecasting and Gust/Ramp Prediction
Project: PhD

Using nacelle-mounted lidars in wind turbine power and load measurements
Project: PhD

Remote Sensing Techniques Applied to Wind Energy
Project: PhD

Performance Measurements with the use of Spinner Anemometry
Project: PhD

Unified testing procedures for wind turbines through inflow characterisation using nacelle lidars
Project: Research

Activities:
Power Curve Verification in complex terrain using multi-range nacelle lidars
Activity: Talks and presentations › Conference presentations

IEA Wind Task 32 workshop
Activity: Talks and presentations › Conference presentations

Power performance measured using a nacelle-based lidar
Activity: Talks and presentations › Conference presentations