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Research outputs:

Remaining Life Assessment of Offshore Wind Turbines subject to Curtailment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Spinner anemometer - best practice
Research output: Research › Report – Annual report year: 2018

Calibration of a spinner anemometer for wind speed measurements
Research output: Research - peer-review › Journal article – Annual report year: 2016

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

Normalized performance and load data for the deepwind demonstrator in controlled conditions
Research output: Research - peer-review › Journal article – Annual report year: 2017

Wind tunnel testing of the DeepWind demonstrator in design and tilted operating conditions
Research output: Research - peer-review › Journal article – Annual report year: 2016

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

Wind turbine power performance measurement with the use of spinner anemometry

Calibration of a spinner anemometer for yaw misalignment measurements
Research output: Research - peer-review › Journal article – Annual report year: 2014

Outcomes of the DeepWind Conceptual Design
Research output: Research - peer-review › Conference article – Annual report year: 2015

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

Calibration of a spinner anemometer for flow angle measurements by use of wind turbine yawing
Research output: Research › Report – Annual report year: 2014

Evaluation of the DeepWind concept
Research output: Research - peer-review › Report – Annual report year: 2014
Deepwind - an innovative wind turbine concept for offshore
Research output: Research › Article in proceedings – Annual report year: 2011

Design and numerical evaluation of a 1kW floating VAWT demonstrator
Research output: Research › Poster – Annual report year: 2011

Nacelle lidar power performance measurement in the context of the IEC 61400-12-1 standard
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Power performance measured using a nacelle lidar
Research output: Research › Article in proceedings – Annual report year: 2011

UPWIND 1A2 Metrology. Final Report
Research output: Research › Report – Annual report year: 2011

Yawing and performance of an offshore wind farm
Research output: Research › Article in proceedings – Annual report year: 2011

A novel concept for floating offshore wind turbines: Recent developments in the concept and investigation on fluid interaction with the rotating foundation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

A novel floating offshore wind turbine concept: new developments
Research output: Research › Article in proceedings – Annual report year: 2010

Application of Spinner Anemometry in Yaw Alignment Control
Research output: Research › Poster – Annual report year: 2010

Deep Wind: A novel floating wind turbine concept
Research output: Communication › Journal article – Annual report year: 2010

Flow distortion on boom mounted cup anemometers
Research output: Research › Report – Annual report year: 2010

A novel floating offshore wind turbine concept
Research output: Research › Article in proceedings – Annual report year: 2009

The generics of wind turbine nacelle anemometry
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Den intelligente spinder
Research output: Research › Paper – Annual report year: 2008

Operational experience and analysis of a spinner anemometer on a MW size wind turbine
Research output: Research › Article in proceedings – Annual report year: 2008

Optimization of Wind Turbine Operation by Use of Spinner Anemometer
Research output: Research › Report – Annual report year: 2008

Aerodynamics and characteristics of a spinner anemometer
Research output: Research - peer-review › Conference article – Annual report year: 2007
Spinner anemometry - an innovative wind speed measurement concept
Research output: Research › Article in proceedings – Annual report year: 2007

ACCUWIND - Accurate wind speed measurements in wind energy - Summary report
Research output: Research › Report – Annual report year: 2006

ACCUWIND - Classification of five cup anemometers according to IEC 61400-12-1
Research output: Research › Report – Annual report year: 2006

ACCUWIND - Methods for classification of cup anemometers
Research output: Research › Report – Annual report year: 2006

Evaluation and classification of cup and sonic anemometry (paper and poster)
Research output: Research › Article in proceedings – Annual report year: 2006

Sea-land interaction influence on wind turbine power performance
Research output: Research › Journal article – Annual report year: 2006

Sodar power performance measurements. WISE WP5
Research output: Research › Report – Annual report year: 2005

WISE. Wind Energy Sodar Evaluation. Final report
Research output: Research › Report – Annual report year: 2005

Accurate wind speed measurements in wind energy (poster)
Research output: Research › Poster – Annual report year: 2004

Characterisation and classification of RISØ P2546 cup anemometer
Research output: Research › Report – Annual report year: 2004

Comparison of wind speed and power curve measurements using a cup anemometer, a LI DAR and a SODAR
Research output: Research › Article in proceedings – Annual report year: 2004

Highlights in revision of the IEC 1400-12 standard
Research output: Research › Conference abstract for conference – Annual report year: 2004

Metrology considerations in a fast emerging new energy sector
Research output: Research › Conference abstract for conference – Annual report year: 2004

On wind turbine power performance measurements at inclined airflow
Research output: Research › peer-review › Journal article – Annual report year: 2004

Risø Test Station - Høvsøre Test Site
Research output: Research › Conference abstract for conference – Annual report year: 2004

Characterisation and classification of RISØ P2546 cup anemometer
Research output: Research › Report – Annual report year: 2003

Development of a classification system for cup anemometers - CLASSCUP
Research output: Research › Report – Annual report year: 2003
New Danish test station promises new insights
Research output: Communication › Journal article – Annual report year: 2003

Cup anemometer performance in complex terrain power performance verification (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2002

Requirements to cup anemometers applied for power curve measurements under the Danish approval scheme for wind turbines
Research output: Research › Report – Annual report year: 2002

Wind turbine power performance verification in complex terrain and wind farms
Research output: Research › Report – Annual report year: 2002

Development of a standardised cup anemometer suited to wind energy applications. Publishable final report
Research output: Research - peer-review › Report – Annual report year: 2001

European wind turbine testing procedure developments. Task 1: Measurement method to verify wind turbine performance characteristics
Research output: Research › Report – Annual report year: 2001

European wind turbine testing procedure developments. Task 2: Power quality
Research output: Research › Report – Annual report year: 2001

Requirements to cup anemometers applied for power curve measurements under the Danish approval scheme for wind turbines
Research output: Research › Report – Annual report year: 2001

Præsentation af Risøs vindenergiaktiviteter
Research output: Research › Conference abstract for conference – Annual report year: 2000

Classification of operational characteristics of commercial cup-anemometers
Research output: Research › Article in proceedings – Annual report year: 1999

Is the nacelle mounted anemometer an acceptable option in performance testing?
Research output: Research › Article in proceedings – Annual report year: 1999

Comparing the power performance results by using the nacelle and the mast anemometer
Research output: Research › Article in proceedings – Annual report year: 1998

A Procedure for Classification of Cup-Anemometers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Comparing the power performance results by using the nacelle and the mast anemometer
Research output: Research › Conference abstract for conference – Annual report year: 1997

Nacelle anemometry on a 1MW wind turbine: Comparing the power performance results by use of the nacelle or mast anemometer
Research output: Research › Report – Annual report year: 1997

Comparison of performance and load characteristics of two V27-225 operating in different complex terrain sites
Research output: Research › Article in proceedings – Annual report year: 1996
Description and measurements of the wind that drives the power performance and mean loads of wind turbines
Research output: Research › Article in proceedings – Annual report year: 1996

Concept testing of wind turbines
Research output: Research › Conference abstract for conference – Annual report year: 1994

Fatigue loads on a pitch regulated wind turbine operating in a coastal wind turbine array
Research output: Research › Report – Annual report year: 1994

Trends in Power Performance Measurement Standards
Research output: Research › Conference abstract for conference – Annual report year: 1994

A Danish recommendation for power curve measurements
Research output: Research › Conference abstract for conference – Annual report year: 1992

I.E.C. power performance measurement standard
Research output: Research › Conference abstract for conference – Annual report year: 1992

Loads for wind turbines in inhomogeneous terrain measurement report
Research output: Research › Report – Annual report year: 1991

Flow visualization on stall-regulated wind turbines
Research output: Research › Report – Annual report year: 1990

Calculation of Static Rotor Loads in Stall
Research output: Research › Article in proceedings – Annual report year: 1989

Recommendations for a European Wind Turbine Standard Performance Determination
Research output: Research › peer-review › Report – Annual report year: 1989

Visualisation of Flow Through a Stall-Regulated Wind Turbine Rotor
Research output: Research › peer-review › Journal article – Annual report year: 1989

Visualization of Flow through a Stall-Regulated Wind Turbine Rotor
Research output: Research › Article in proceedings – Annual report year: 1989

Wind Turbine Test Wincon 99 XT Prototype
Research output: Research › Report – Annual report year: 1989

Location of Flow Separation of an 11 m Wind Turbine Blade by Means of Flow Visualization and a Two-Dimensional Airfoil Code
Research output: Research › Article in proceedings – Annual report year: 1988

Wind Turbine Test Danwin 23 Prototype
Research output: Research › Report – Annual report year: 1988

Wind Turbine Test Vestas V25 200 kW
Research output: Research › Report – Annual report year: 1988
Standardmålinger på vindmøller opsat på prøvestationen for mindre vindmøller
Research output: Research › Report – Annual report year: 1981

Status for Smedemestermøllen - september 1980
Research output: Research › Report – Annual report year: 1981

Samfundsøkonomisk analyse af mindre vindmøller
Research output: Research › Book chapter – Annual report year: 1980

Projects:

TrueWind
Project: Research

Remote Sensing Techniques Applied to Wind Energy
Project: PhD

Performance Measurements with the use of Spinner Anemometry
Project: PhD

Offshore Vertical Axis Wind Turbine with Floating and Rotating Foundation
Project: PhD

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

Press clippings:

Vindmøller skal flyde på vandet
Press/Media: Press / Media

Strømninger i vandet er den største havvindmølle-udfordring
Press/Media: Press / Media

Supermæjagtig måling kan øge vindproduktion markant
Press/Media: Press / Media