Publications:

**Active Control of Wind Turbines Through Varying Blade Tip Sweep**
Publication: Research - peer-review › Journal article – Annual report year: 2019

**Experimental investigation on ultimate strength and failure response of composite box beams used in wind turbine blades**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Probabilistic structural assessment of conical grouted joint using numerical modelling**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Estimation and Control of Wind Turbine Tower Vibrations Based on Individual Blade-Pitch Strategies**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**A conservative approach for mode I-II fatigue analysis under residual stresses: The RSIF proportionality conjecture**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Aerodynamic and load control performance testing of a morphing trailing edge flap system on an outdoor rotating test rig:**
Publication: Research - peer-review › Conference article – Annual report year: 2018

**Aerodynamic effects of compressibility for wind turbines at high tip speeds**
Publication: Research - peer-review › Conference article – Annual report year: 2018

**Aero-elastic Wind Turbine Design with Active Flaps for AEP Maximization**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Aero-structural optimization of wind turbine blades using a reduced set of design load cases including turbulence**
Publication: Research - peer-review › Conference article – Annual report year: 2018

**Airfoil Blender for Blade Optimizations**
Publication: Research - peer-review › Conference article – Annual report year: 2018

**A multimodal data-set of a unidirectional glass fibre reinforced polymer composite**
Publication: Research - peer-review › Journal article – Annual report year: 2018
Analysis of winglets and sweep on wind turbine blades using a lifting line vortex particle method in complex inflow conditions: Paper
Publication: Research - peer-review › Conference article – Annual report year: 2018

An Analytical Model for the Effect of Vertical Wind Veer on Wind Turbine Wakes
Abkar, M., Sørensen, J. & Porté-Agel, F. 2018 In : Energies. 11, 7, 1838
Publication: Research - peer-review › Journal article – Annual report year: 2018

Application for planning purposes: Interim High-Resolution Wind Resource Map for Strategic Environmental Assessment in South Africa
Mortensen, N. G., Hahmann, A. N., Hansen, J. C., Mabille, E. & Prinsloo, E. 2018
Publication: Research › Sound/Visual production (digital) – Annual report year: 2018

Assessing the Utility of Early Warning Systems for Detecting Failures in Major Wind Turbine Components
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Assessment and propagation of mechanical property uncertainties in fatigue life prediction of composite laminates
Publication: Research - peer-review › Journal article – Annual report year: 2018

Assessment of inflow boundary conditions for RANS simulations of neutral ABL and wind turbine wake flow
Publication: Research - peer-review › Journal article – Annual report year: 2018

A systematic approach to transforming composite 3d images into meso-scale computational models
Publication: Research - peer-review › Paper – Annual report year: 2018

Atmospheric stability and topography effects on wind turbine performance and wake properties in complex terrain
Publication: Research - peer-review › Journal article – Annual report year: 2018

Blade-Pitch Control for Wind Turbine Load Reductions
Publication: Research - peer-review › Book – Annual report year: 2018

Calibrating a wind turbine model using diverse datasets
Publication: Research - peer-review › Conference article – Annual report year: 2018

CFD Simulations of Flows in a Wind Farm in Complex Terrain and Comparisons to Measurements
Publication: Research - peer-review › Journal article – Annual report year: 2018

Challenges in using scanning lidars to estimate wind resources in complex terrain
Publication: Research - peer-review › Conference article – Annual report year: 2018
Characterization report of selected RET and SPIFT samples characterized by electron microscopy and X-ray tomography
Publication: Research - peer-review › Report – Annual report year: 2018

Children as visionary change agents in Danish school health promotion
Publication: Research - peer-review › Journal article – Annual report year: 2018

Community benefits from offshore renewables: The relationship between different understandings of impact, community, and benefit
Publication: Research - peer-review › Journal article – Annual report year: 2018

Comparison of 3D transitional CFD simulations for rotating wind turbine wings with measurements: Paper
Publication: Research - peer-review › Conference article – Annual report year: 2018

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Comparison of four large-eddy simulation research codes and effects of model coefficient and inflow turbulence in actuator-line-based wind turbine modeling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Comparison of Levelized Cost of Energy of superconducting direct drive generators for a 10 MW offshore wind turbine
Publication: Research - peer-review › Journal article – Annual report year: 2018

Comparisons of winds from satellite SAR, WRF and SCADA to characterize coastal gradients and wind farm wake effects at Anholt wind farm
Hasager, C. B., Ahsbahs, T. T., Badger, M., Hansen, K. S. & Volker, P. 2018
Publication: Research › Sound/Visual production (digital) – Annual report year: 2018

Computational fluid dynamics-based surrogate optimization of a wind turbine blade tip extension for maximising energy production
Publication: Research - peer-review › Conference article – Annual report year: 2018

Controlled annealing of sandwich-structured aluminum AA1050 for optimized combinations of strength and ductility
Publication: Research - peer-review › Journal article – Annual report year: 2018

Data assimilation of ocean surface waves using Sentinel-1 SAR during typhoon Malakas

Data-driven Wake Modelling for Reduced Uncertainties in short-term Possible Power Estimation: Paper
Göçmen, T. & Giebel, G. 2018 In : Journal of Physics: Conference Series. 1037, 7, 10 p., 072002

Decomposing the Bragg glass and the peak effect in a Type-II superconductor
Toft-Petersen, R., Abrahamsen, A. B., Balog, S., Porcar, L. & Laver, M. 2018 In : Nature Communications. 9, 1, 12 p., 901

Design for manufacturability of macro and micro products: a case study of heat exchanger design

Design of four-point SENB specimens with stable crack growth

Detached Eddy Simulation Model for the DU-91-W2-250 Airfoil

Determination of the fibre orientation distribution of a mineral wool network and prediction of its transverse stiffness using X-ray tomography

Development and interaction of rotor wakes

Development of Goss texture in Al–0.3%Cu annealed after heavy rolling

Development of new methodologies to assess the structural integrity of the grouted joint of a 10MW wind turbine substructure

Development of Single Point Impact Fatigue Tester (SPIFT)
**Downstream effects from contemporary wind turbine deployments**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Dynamic stall model modifications to improve the modeling of vertical axis wind turbines**
Publication: Research - peer-review › Report – Annual report year: 2018

**Effect of inter-fibre bonding on the fracture of fibrous networks with strong interactions**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Effect of the coating properties on the deformation and wave distribution in the leading edge erosion system**
Publication: Research - peer-review › Report – Annual report year: 2018

**Effects of an Oscillating Flap on the Main Airfoil Unsteady Lift in Grid Turbulence**
Stapountzis, H., Barias, A., Papageorgiou, G. & Patsiouras, A. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018

**Effects of Coatings on the High-Cycle Fatigue Life of Threaded Steel Samples**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Engineering an optimal wind farm using surrogate models: EOWF using SUMO**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Evaluating Humidity and Sea Salt Disturbances on CO2 Flux Measurements**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Evaluating Mesoscale Simulations of the Coastal Flow Using Lidar Measurements**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Evaluation of different methods for determining the angle of attack on wind turbine blades with CFD results under axial inflow conditions**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Evaluation of different methods of determining the angle of attack on wind turbine blades under yawed inflow conditions**
Evaluation of the Effect of Spar Cap Fiber Angle of Bending-Torsion Coupled Blades on the Aero-Structural Performance of Wind Turbines
Sener, O., Farsadi, T., Gozc, M. O. & Kayran, A. 2018 In : Journal of Solar Energy Engineering. 140, 4, 041004

Evaluation of the LINCOM wind field reconstruction method with simulations and full-scale measurements

Experimental and numerical validation of active flaps for wind turbine blades

Experimental investigation of process induced strain during cure of epoxy using optical fibre bragg grating and dielectric analysis
Mortensen, U. A., Løgstrup Andersen, T., Christensen, J. & Miranda Maduro, M. A. 2018

Experimental investigation of Static Stall Hysteresis and 3-Dimensional Flow Structures for an NREL S826 Wing Section of Finite Span
Sarlik, H., Frère, A., Mikkelsen, R. F. & Sørensen, J. N. 2018 In : Energies. 11, 6, 21 p., 1418

Experimental investigation of Surface Roughness effects and Transition on Wind Turbine performance

Experimental validation of frequency control from offshore wind power plants in multi-terminal DC grids

Extension of EllipSys to compressible flows - Implementation and verifications

Fabrication of a Scaled MgB2 Racetrack Demonstrator Pole for a 10-MW Direct-Drive Wind Turbine Generator

Far-wake meandering induced by atmospheric eddies in flow past a wind turbine

Fast trailed and bound vorticity modeling of swept wind turbine blades
Fatigue strength of composite wind turbine blade structures
Publication: Research › Ph.D. thesis – Annual report year: 2018

Final results from the EU project AVATAR: aerodynamic modelling of 10 MW wind turbines
Publication: Research - peer-review › Conference article – Annual report year: 2018

Fine (Cr,Fe)2B borides on grain boundaries in a 10Cr–0.018 martensitic steel
Publication: Research - peer-review › Journal article – Annual report year: 2018

Flow in complex terrain - a Large Eddy Simulation comparison study
Publication: Research - peer-review › Conference article – Annual report year: 2018

Fluoropolymer coated alanine films treated by atmospheric pressure plasmas – In comparison with gamma irradiation
Kusano, Y., Bardenshtein, A. & Morgen, P. 2018 In : Plasma Processes and Polymers. 15, 3, 10 p., e1700131
Publication: Research - peer-review › Journal article – Annual report year: 2018

Flywheel Calibration of Coherent Doppler Wind Lidar
Pedersen, A. T. & Courtney, M. 2018
Publication: Research - peer-review › Poster – Annual report year: 2018

Flywheel Calibration of Coherent Doppler Wind Lidar
Pedersen, A. T. & Courtney, M. 2018
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Forcing Data at WRF lateral Boundary Corner and its Impact on Storm Intensification - a Case Study through mid-latitude Cyclone Christian
Imberger, M., Larsen, X. G., Du, J. & Davis, N. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018

Forcing Data at WRF lateral Boundary Corner and its Impact on Storm Intensification - a Case Study through mid-latitude Cyclone Christian
Imberger, M., Larsen, X. G., Du, J. & Davis, N. 2018
Publication: Communication › Sound/Visual production (digital) – Annual report year: 2018

Fracture mechanics approach to optimize inspection planning of offshore welds for wind turbines
Publication: Research › Ph.D. thesis – Annual report year: 2018

Fracture of wind turbine blades in operation-Part I: A comprehensive forensic investigation
Publication: Research - peer-review › Journal article – Annual report year: 2018

Free flow wind speed from a blade-mounted flow sensor
Publication: Research - peer-review › Journal article – Annual report year: 2018
From lidar scans to roughness maps for wind resource modelling in forested areas
Publication: Research - peer-review › Journal article – Annual report year: 2018

Generic dynamic wind turbine models for power system stability analysis: A comprehensive review
Publication: Research - peer-review › Journal article – Annual report year: 2018

Guest Editorial: Coordinated Control and Protection of Offshore Wind and Combined AC/DC Grid
Publication: Research - peer-review › Editorial – Annual report year: 2018

Hall-Petch strengthening in Fe-34.5Mn-0.04C steel cold-rolled, partially recrystallized and fully recrystallized
Publication: Research - peer-review › Journal article – Annual report year: 2018

High dimensional dependence in power systems: A review
Publication: Research - peer-review › Journal article – Annual report year: 2018

High-resolution periodic mode shapes identification for wind turbines
Publication: Research - peer-review › Conference article – Annual report year: 2018

Hybrid metallic nanocomposites for extra wear-resistant diamond machining tools
Publication: Research - peer-review › Journal article – Annual report year: 2018

ICT Based Performance Evaluation of Primary Frequency Control Support from Renewable Power Plants in Smart Grids
Shahid, K., Altin, M., Mikkelsen, L., Løvenstein Olsen, R. & Iov, F. 2018 In : Energies. 11, 6, 26 p., 1329
Publication: Research - peer-review › Journal article – Annual report year: 2018

IEA Wind Task 32: Wind lidar identifying and mitigating barriers to the adoption of wind lidar
Publication: Research - peer-review › Journal article – Annual report year: 2018

Impact damage reduction by structured surface geometry
Publication: Research - peer-review › Journal article – Annual report year: 2018

Impact fatigue damage of coated glass fibre reinforced polymer laminate
Publication: Research - peer-review › Journal article – Annual report year: 2018

Impact of turbulence induced loads and wave kinematic models on fatigue reliability estimates of offshore wind turbine monopiles
Publication: Research - peer-review › Journal article – Annual report year: 2018
Implementation of large-scale average geostrophic wind shear in WAsP12.1
Publication: Research › Report – Annual report year: 2018

Improved modelling of fatigue loads in wind farms under non-neutral ABL stability conditions
Publication: Research - peer-review › Conference article – Annual report year: 2018

Inflow characterization using measurements from the SpinnerLidar: the ScanFlow experiment
Publication: Research - peer-review › Conference article – Annual report year: 2018

Inflow measurements from blade-mounted flow sensors: Flow analysis, application and aeroelastic response
Publication: Research › Ph.D. thesis – Annual report year: 2018

Inflow Turbulence and Leading Edge Roughness Effects on Laminar-Turbulent Transition on NACA 63-418 Airfoil: Paper
Özçakmak, Ö. S., Madsen, H. A., Sørensen, N. N., Sørensen, J. N., Fischer, A. & Bak, C. 2018 In : Journal of Physics: Conference Series. 1037, 2, 8 p., 022005
Publication: Research - peer-review › Conference article – Annual report year: 2018

Instabilities in the Wake of an Inclined Prolate Spheroid
Publication: Research - peer-review › Book chapter – Annual report year: 2018

Instantaneous Response and Mutual Interaction between Wind Turbine and Flow
Andersen, S. J. & Sørensen, J. N. 2018 In : Journal of Physics: Conference Series. 1037, 7, 10 p., 072011
Publication: Research - peer-review › Conference article – Annual report year: 2018

Integrated optimal design of jackets and foundations
Publication: Research - peer-review › Journal article – Annual report year: 2018

International experiences with opposition to wind energy siting decisions: Lessons for environmental and social appraisal
Publication: Research - peer-review › Journal article – Annual report year: 2018

Investigation of droplet path in a rain erosion tester
Publication: Research - peer-review › Conference article – Annual report year: 2018

Laminated Fe-34.5Mn-0.04C composite with high strength and ductility
Publication: Research - peer-review › Journal article – Annual report year: 2018

Large Scale Offshore Wake Impact on the Danish Power System
Publication: Research › Poster – Annual report year: 2018
New European Wind Atlas: The Østerild balconies experiment
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Noise emission from wind turbines in wake - Measurement and modeling
Bertagnolio, F., Aa Madsen, H. & Fischer, A. 2018 In : Journal of Physics: Conference Series. 1037, 2, 10 p., 022001
Publication: Research - peer-review › Conference article – Annual report year: 2018

Noise Quantification with Beamforming Deconvolution: Effects of Regularization and Boundary Conditions
Lylloff, O. A. & Fernandez Grande, E. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018

Numerical Fluid-Structure Interaction Study on the NREL 5MW HAWT
Publication: Research - peer-review › Conference article – Annual report year: 2018

Observations of microscale tensile fatigue damage mechanisms of composite materials for wind turbine blades
Mikkelsen, L. P. 2018 In : I O P Conference Series: Materials Science and Engineering. 388, 1, 9 p., 012006
Publication: Research - peer-review › Conference article – Annual report year: 2018

Offshore Extreme Wind Atlas Using Wind-Wave Coupled Modeling
Larsen, X. G., Du, J., Bolanos, R., Imberger, M. & Badger, M. 2018
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Offshore Extreme Wind Atlas Using Wind-Wave Coupled Modeling
Larsen, X. G., Du, J., Bolanos, R., Imberger, M. & Badger, M. 2018
Publication: Research › Sound/Visual production (digital) – Annual report year: 2018

On gradient-based optimization of jacket structures for offshore wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2018

On the simulation of aggregated solar PV forecast errors
Publication: Research - peer-review › Journal article – Annual report year: 2018

On wind turbine down-regulation control strategies and rotor speed set-point
Publication: Research - peer-review › Conference article – Annual report year: 2018

Optimal Aero-Elastic Design of a Rotor with Bend-Twist Coupling
Publication: Research - peer-review › Conference article – Annual report year: 2018

Optimal design of galvanic corrosion protection systems for offshore wind turbine support structures
Sarhadi, A., Abrahamsen, A. B. & Stolpe, M. 2018 In : Corrosion. 74, 7, p. 829-841
Publication: Research - peer-review › Journal article – Annual report year: 2018

Optimization of morphing flaps based on fluid structure interaction modeling
Optimization of Short-term Overproduction Response of Variable Speed Wind Turbines
Publication: Research - peer-review › Journal article – Annual report year: 2018

Optimization of Synthetic Inertial Response from Wind Power Plants
Publication: Research - peer-review › Journal article – Annual report year: 2018

Power curve measurement uncertainty – follow up comparative exercise for IEA Task 32: Paper
Publication: Research - peer-review › Conference article – Annual report year: 2018

Pragmatic approach to cure profile enhancement for improved fatigue performance of thermoset matrix composites: Paper
Publication: Research - peer-review › Conference article – Annual report year: 2018

Predicting the Influence of Surface Protuberance on the Aerodynamic Characteristics of a NACA 633-418: Paper
Krog Kruse, E., Sørensen, N. N. & Bak, C. 2018 In : Journal of Physics: Conference Series. 1037, 2, 10 p., 022008
Publication: Research - peer-review › Conference article – Annual report year: 2018

Prediction of fatigue limit for unidirectional carbon fibre/epoxy composites
Publication: Research - peer-review › Conference article – Annual report year: 2018

Probing the structure and mechanical properties of the graphite nodules in ductile cast irons via nano-indentation
Publication: Research - peer-review › Journal article – Annual report year: 2018

PyConTurb: an open-source constrained turbulence generator
Rinker, J. M. 2018 In : Journal of Physics: Conference Series. 1037, 6, 9 p., 062032
Publication: Research - peer-review › Conference article – Annual report year: 2018

Quantification of local mobilities
Zhang, Y. B. 2018 In : Scripta Materialia. 146, p. 286-289
Publication: Research - peer-review › Journal article – Annual report year: 2018

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

Risk-based approach for rational categorization of damage observations from wind turbine blade inspections
Dimitrov, N. K. 2018 In : Journal of Physics: Conference Series. 1037, 4, 10 p., 042021
Publication: Research - peer-review › Conference article – Annual report year: 2018

SAR Wind Maps and Derived Products: New Possibilities for Offshore Wind Energy Exploitation
Badger, M., Ahsbahs, T. T., Karagali, I. & Hasager, C. B. 2018
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2018
Strength failure criteria analysis for a flax fibre reinforced composite
Publication: Research - peer-review › Journal article – Annual report year: 2018

Structural optimization with several discrete design variables per part by outer approximation
Publication: Research - peer-review › Journal article – Annual report year: 2018

Structure and strength of sub-100 nm lamellar structures in cold-drawn pearlitic steel wire
Publication: Research - peer-review › Journal article – Annual report year: 2018

The effect of buffer-layer on the steady-state energy release rate of a tunneling crack in a wind turbine blade joint
Publication: Research - peer-review › Journal article – Annual report year: 2018

The induction zone/factor and sheared inflow: A linear connection?
Publication: Research - peer-review › Conference article – Annual report year: 2018

The influence of wing twist on pressure distribution and flow topology
Publication: Research - peer-review › Conference article – Annual report year: 2018

The microstructural origin of work hardening stages
Publication: Research - peer-review › Journal article – Annual report year: 2018

The North Sea Offshore Wind Service Industry: Status, perspectives and a joint action plan
Andersen, P. D., Clausen, N-E., Cronin, T. & Piirainen, K. A. 2018 In : Renewable and Sustainable Energy Reviews. 81, 2, p. 2672-2683
Publication: Research - peer-review › Journal article – Annual report year: 2018

The Park2 Wake Model - Documentation and Validation
Publication: Research › Report – Annual report year: 2018

The role of laboratory testing in the development of rotor aerodynamics (review)
Okulov, V. 2018 In : Thermophysics and Aeromechanics. 25, 1, 20 p.
Publication: Research - peer-review › Journal article – Annual report year: 2018

The turbulence scales of a wind turbine wake: A revisit of extended k-epsilon models
Publication: Research - peer-review › Conference article – Annual report year: 2018

Towards the understanding of vertical-axis wind turbines in double-rotor configuration
Publication: Research - peer-review › Conference article – Annual report year: 2018
Tunneling cracks in full scale wind turbine blade joints
Publication: Research - peer-review › Journal article – Annual report year: 2018

Two level undercut-profile substrate-based filamentary coated conductors produced using metal organic chemical vapor deposition
Publication: Research - peer-review › Journal article – Annual report year: 2018

UNAFLOW project: UNsteady Aerodynamics of FLOating Wind turbines
Publication: Research - peer-review › Conference article – Annual report year: 2018

Uncertainties and Wakes for Short-term Power Production of a Wind Farm
Publication: Research › Article in proceedings – Annual report year: 2018

Uncertainty propagation through an aeroelastic wind turbine model using polynomial surrogates
Publication: Research - peer-review › Journal article – Annual report year: 2018

Using SAR for Characterization of Offshore Wind Farm Wakes and Coastal Wind Speed Gradients
Hasager, C. B., Ahsbahs, T. T., Badger, M., Hansen, K. S. & Volker, P. 2018
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Vortex simulations of wind turbines operating in atmospheric conditions using a prescribed velocity-vorticity boundary layer model
Publication: Research - peer-review › Journal article – Annual report year: 2018

Wind and solar resource data sets
Publication: Research - peer-review › Journal article – Annual report year: 2018
Design optimization of offshore wind farms with multiple types of wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Validation of the actuator disc and actuator line techniques for yawed rotor flows using the New Mexico experimental data
Publication: Research - peer-review › Conference article – Annual report year: 2017

Condition monitoring of a rotor arrangement in particular a wind turbine
Nieman, H. H., Poulsen, N. K., Mirzaei, M. & Henriksen, L. C. 8 Jun 2017
Publication: Research › Patent – Annual report year: 2017

A unified aggregation and relaxation approach for stress-constrained topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2016

30-year mesoscale model simulations for the "Noise from wind turbines and risk of cardiovascular disease" project
Publication: Research - peer-review › Report – Annual report year: 2017

A strain gauge
Mikkelsen, L. P. & Gili, J. 19 Jan 2017
Publication: Research › Patent – Annual report year: 2017

Ultrafine particle number flux over and in a deciduous forest
Publication: Research - peer-review › Journal article – Annual report year: 2017

A 1D version of EllipSys
Publication: Research › Report – Annual report year: 2017

A Case Study of Offshore Advection of Boundary Layer Rolls over a Stably Stratified Sea Surface
Accuracy of dual-Doppler lidar retrievals of near-shore winds
Vasiljevic, N. & Courtney, M. 2017
Publication: Research › Journal article – Annual report year: 2017

A classical model wind turbine wake "blind test" revisited by remote sensing lidars
WESC2017 - DTU Copenhagen 2017, Book of abstracts. 1 p. 207
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

A combined aeroelastic-aeroacoustic model for wind turbine noise: Verification and analysis of field measurements
Publication: Research - peer-review › Journal article – Annual report year: 2017

A comparison of extreme structural responses and fatigue damage of semi-submersible type floating horizontal and vertical axis wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Adequacy of Frequency Reserves for High Wind Power Generation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Adhesive Joints in Wind Turbine Blades
Publication: Research › Ph.D. thesis – Annual report year: 2018

Aeroelastic Analysis of Olsen Wings 14.3m Blade-Blatigue Project
Publication: Research - peer-review › Report – Annual report year: 2017

Aeroelastic code validation - A mixed collection of examples
Larsen, T. J. 2017
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

Aeroelastic multidisciplinary design optimization of a swept wind turbine blade
Publication: Research - peer-review › Journal article – Annual report year: 2017

A framework for medium-fidelity wake dynamics in moderately complex terrain
Larsen, G. C., van der Laan, P. & Ott, S. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

A fully coupled method for numerical modeling and dynamic analysis of floating vertical axis wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

A gradient surface produced by combined electroplating and incremental frictional sliding
Publication: Research - peer-review › Conference article – Annual report year: 2017
A method to characterize the roughness of 2-D line features: recrystallization boundaries
Publication: Research - peer-review › Journal article – Annual report year: 2016

A method to investigate the biomechanical alterations in Perthes' disease by hip joint contact modeling
Publication: Research - peer-review › Journal article – Annual report year: 2017

A multi-frequency fatigue testing method for wind turbine rotor blades
Publication: Research - peer-review › Journal article – Annual report year: 2017

An advanced structural trailing edge modelling method for wind turbine blades
Haselbach, P. U. 2017 In : Composite Structures. 180, p. 521-530
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analysis of Anholt offshore wind farm SCADA measurements
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Analysis of bearing steel exposed to rolling contact fatigue
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analysis of experimental data: The average shape of extreme wave forces on monopile foundations and the NewForce model
Schleer, S., Bredmose, H. & Ghadriar, A. 2017 In : Energy Procedia. 137, p. 223-237
Publication: Research - peer-review › Conference article – Annual report year: 2017

Analysis of extreme wind events at Høvsøre and the effect on wind turbine loads
Hannesdóttir, Á., Kelly, M. C., Mann, J. & Natarajan, A. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Analytical gradients of wind turbine towers fatigue loads
Publication: Research - peer-review › Report – Annual report year: 2017

An electron microscopy study of microstructural evolution during in-situ annealing of heavily deformed nickel
Publication: Research - peer-review › Journal article – Annual report year: 2017

An emerging European Doppler lidar network for meteorological applications
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

A new k-epsilon model consistent with Monin-Obukhov similarity theory
Publication: Research - peer-review › Journal article – Annual report year: 2016

A New Volume-Of-Fluid Method in OpenFoam
A temporal wind turbine model for low-frequency noise

Benchmarking (Code2Code) of the 1Hs 3-Bladed Onshore VAWT

Block factorization of step response model predictive control problems

Boundary migration in a 3D deformed microstructure inside an opaque sample

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument

Calibration of Ground-based Lidar instrument
Characterization of voids in shock-loaded Al single crystal by combining X-ray tomography and electron microscopy
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cohesive zone modelling of nucleation, growth and coalesce of cavities
Publication: Research - peer-review › Journal article – Annual report year: 2017

Combined pseudo-spectral / actuator line model for wind turbine applications
Publication: Research › Ph.D. thesis – Annual report year: 2018

Comparison of fatigue constraints in optimal design of jacket structures for offshore wind turbines
Publication: Research › Conference abstract in proceedings – Annual report year: 2017

Comparison of fracture properties of cellulose nanopaper, printing paper and buckypaper
Publication: Research - peer-review › Journal article – Annual report year: 2017

Comparison of OpenFOAM and EllipSys3D actuator line methods with (NEW) MEXICO results: Paper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Complex terrain experiments in the New European Wind Atlas
Publication: Research - peer-review › Journal article – Annual report year: 2017

Compression fatigue of Wind Turbine Blade composites materials and damage mechanisms
Fraisse, A. & Brandsted, P. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Computational assessment of the DeepWind aerodynamic performance with different blade and airfoil configurations
Publication: Research - peer-review › Journal article – Annual report year: 2017

Computational Modelling of Materials for Wind Turbine Blades: Selected DTUWind Energy Activities
Mikkelsen, L. P. & Mishnaevsky, L. 2017 In : Materials. 10, 11, 15 p., 1278
Publication: Research - peer-review › Journal article – Annual report year: 2017

Conceptual research of a downwind turbine, based on Suzlon 2.1MW onshore turbine
Wanke, G., Larsen, T. J., Hansen, M., Buhl, T., Madsen, J. I. & Bergami, L. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017
Consistent modelling of wind turbine noise propagation from source to receiver
Publication: Research - peer-review › Journal article – Annual report year: 2017

Coordinated control of wind power plants in offshore HVDC grids
Publication: Research › Ph.D. thesis – Annual report year: 2017

Coordinated frequency control from offshore wind power plants connected to multi terminal DC system considering wind speed variation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Coordinated voltage control in offshore HVDC connected cluster of wind power plants
Publication: Research › Conference abstract for conference – Annual report year: 2018

Correlated thermal motion of two liquid Pb inclusions attached to a fixed dislocation in an Al matrix: Paper
Prokofjev, S. I. & Johnson, E. 2017 In : Journal of Physics Communications. 1, 5, 10 p., 055001
Publication: Research - peer-review › Journal article – Annual report year: 2017

Coupling atmospheric and ocean wave models for storm simulation
Publication: Research › Ph.D. thesis – Annual report year: 2017

Cross-Cutting Activities 2016 on Wind Turbine Noise, Summary Report
Publication: Research - peer-review › Report – Annual report year: 2017

D7.21 Report on Validation of design of grouted joints Work Package 7.2
Publication: Research - peer-review › Report – Annual report year: 2018

Data Requirements for WAsP, CFD & WRF
Publication: Research - peer-review › Report – Annual report year: 2017

Deformation analysis of polymers composites: rheological model involving time-based fractional derivative
Publication: Research - peer-review › Journal article – Annual report year: 2017

Deformation Induced Martensitic Transformation and Its Initial Microstructure Dependence in a High Alloyed Duplex Stainless Steel
Publication: Research - peer-review › Journal article – Annual report year: 2017

Demonstration and uncertainty analysis of synchronised scanning lidar measurements of 2-D velocity fields in a boundary-layer wind tunnel
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Dependence of dislocation structure on orientation and slip systems in highly oriented nanotwinned Cu**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Description of the Probabilistic Wind Atlas Methodology, Deliverable D3.1**
Publication: Research - peer-review › Report – Annual report year: 2017

**Design of a wind turbine swept blade through extensive load analysis**
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Design of the OffWindChina 5 MW Wind Turbine Rotor**
Sun, Z., Sessarego, M., Chen, J. & Shen, W. Z. 2017 In : Energies. 10, 6, 20 p., 777
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Design optimization of jacket structures for mass production**
Publication: Research › Ph.D. thesis – Annual report year: 2017

**Detecting wind turbine wakes with nacelle lidars: Paper**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Development of a Mechanical Passive Pitch System for a 500W Horizontal Axis Wind Turbine**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Development of an advanced noise propagation model for noise optimization in wind farm**
Publication: Research › Ph.D. thesis – Annual report year: 2018

**Development of an aeroelastic code based on three-dimensional viscous–inviscid method for wind turbine computations**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Dielectric barrier discharge plasma treatment of cellulose nanofibre surfaces**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Direct observation of nucleation in the bulk of an opaque sample**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Distance relay performance in future converter dominated power systems**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Doppler lidar horizontal wind retrievals from a meteorological perspective
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Do regional weather models contribute to better wind power forecasts? A few Norwegian case studies.
Publication: Research - peer-review › Report – Annual report year: 2017

EBSD characterization of deformed lath martensite in if steel
Publication: Research - peer-review › Conference article – Annual report year: 2017

Effective roughness and displacement height over forested areas, via reduced-dimension CFD
Publication: Research - peer-review › Report – Annual report year: 2017

Effect of shot peening on the residual stress and mechanical behaviour of low-temperature and high-temperature annealed martensitic gear steel 18CrNiMo7-6
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effect of the number of blades on the dynamics of floating straight-bladed vertical axis wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of Armature Winding Segmentation with Multiple Converters on the Short Circuit Torque of 10-MW Superconducting Wind Turbine Generators
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effects of normal and extreme turbulence spectral parameters on wind turbine loads
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of wind turbine wake on atmospheric sound propagation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Efficiency of large wind farms: investigation of dependency on turbine technology and cluster layout
Volker, P., Badger, J., Hahnmann, A. N. & Ejsing Jørgensen, H. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017
Extreme winds and waves for offshore turbines: Coupling atmosphere and wave modeling for design and operation in coastal zones
Publication: Research - peer-review › Report – Annual report year: 2017

Fabricating interstitial-free steel with simultaneous high strength and good ductility with homogeneous layer and lamella structure
Publication: Research - peer-review › Journal article – Annual report year: 2017

Facing the challenges of distribution systems operation with high wind power penetration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Fatigue behaviors and damage mechanism of a Cr-Mn-N austenitic steel
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fatigue crack growth in mode II of adhesively joined composites
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Fatigue Damage Evolution in Fibre Composites for Wind Turbine Blades
Publication: Research › Ph.D. thesis – Annual report year: 2017

Fatigue damage evolution in quasi-unidirectional non-crimp fabric based composite materials for wind turbine blades
Mikkelsen, L. P. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Fatigue damage in non-crimp fabric composites subjected to cyclic bending load
Mortensen, U. A. 2017
Publication: Research - peer-review › Paper – Annual report year: 2018

Fatigue Reliability Analysis of Wind Turbine Cast Components
Rafsanjani, H. M., Sørensen, J. D., Fæster, S. & Sturlason, A. 2017 In : Energies. 10, 4, 14 p., 466
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fault diagnosis and condition monitoring of wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2018

Feasibility of wind power integration in weak grids in non-coastal areas of Sub-Saharan Africa: the case of Mali
Publication: Research - peer-review › Journal article – Annual report year: 2017
Flap controllers applied on the OffshoreWindChina (OWC) 5MW reference wind turbine for Chinese typhoon conditions
Publication: Research - peer-review › Report – Annual report year: 2017

Flexibility: It's More Than an Engineering Challenge [In My View]
Publication: Research - peer-review › Journal article – Annual report year: 2017

Flow field and load characteristics of the whole MEXICO wind turbine
Publication: Research - peer-review › Journal article – Annual report year: 2017

Flow induced by a skewed vortex cylinder
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Flux footprints for a tall tower in a land–water mosaic area: A case study of the area around the Risø tower
Publication: Research - peer-review › Journal article – Annual report year: 2017

For wind turbines in complex terrain, the devil is in the detail
Publication: Research - peer-review › Letter – Annual report year: 2017

Frequency Support from OWPPs connected to HVDC via Diode Rectifiers
Saborío-Romano, O., Bidadfar, A., Göksu, Ö. & Cutululis, N. A. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Full-scale observation of the flow downstream of a suspension bridge deck
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fundamental aeroelastic properties of a bend–twist coupled blade section
Publication: Research - peer-review › Journal article – Annual report year: 2017

Future defence plan requirements with high penetration of renewable generation
Das, K., Altin, M., Hansen, A. D. & Sørensen, P. E. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Generation of large-scale PV scenarios using aggregated power curves
Publication: Research › Article in proceedings – Annual report year: 2018

Global Wind Atlas – validation and uncertainty
Mortensen, N. G., Davis, N., Badger, J. & Hahmann, A. N. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Gradient microstructure and microhardness in a nitrided 18CrNiMo7-6 gear steel: Paper
Hydrogen Decrepitation Press-Less Process Recycling of NdFeB sintered magnets
Publication: Research - peer-review › Journal article – Annual report year: 2017

Hydrogen-induced room-temperature plasticity in TC4 and TC21 alloys
Publication: Research - peer-review › Conference article – Annual report year: 2017

IceWind final scientific report
Publication: Research - peer-review › Report – Annual report year: 2017

Identification of critical design load cases for a jacket supported offshore wind turbine
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Identification of loading conditions resulting in roller slippage in gearbox bearings of large wind turbines
Dabrowski, D. & Natarajan, A. 2017 In : Wind Energy. 20, 8, p. 1365-1387
Publication: Research - peer-review › Journal article – Annual report year: 2017

Imaging of Composites by Helical X-Ray Computed Tomography
Wang, Y., Pyka, G., Jespersen, K. M., Mikkelsen, L. P. & Withers, P. J. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Impact of Innovation and Places on Corporate Governance the Case of Wind Turbine Production
Publication: Research - peer-review › Journal article – Annual report year: 2017

Impact of renewable energy uncertainty on electric power system reliability
Nuño Martinez, E. 2017 DTU Wind Energy.
Publication: Research › Ph.D. thesis – Annual report year: 2017

Impact of the interfaces for wind and wave modeling - Interpretation using COAWST, SAR and point measurements
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Impact of Wind Power Plants on Voltage Control of Power System
Sarkar, M., Altin, M., Hansen, A. D. & Sørensen, P. E. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Impacts of offshore grid developments in the North Sea region on market values by 2050: How will offshore wind farms and transmission lines pay?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Improved fixed point iterative method for blade element momentum computations
Publication: Research - peer-review › Journal article – Annual report year: 2017
Improved Load Shedding Scheme considering Distributed Generation
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improvement of grid frequency dynamic characteristic with novel wind turbine based on electromagnetic coupler
Publication: Research - peer-review › Journal article – Annual report year: 2017

Improvement of TNO type trailing edge noise models
Publication: Research - peer-review › Journal article – Annual report year: 2017

Individual fibre segmentation from 3D X-ray computed tomography for characterising the fibre orientation in unidirectional composite materials
Publication: Research - peer-review › Journal article – Annual report year: 2017

Inflow conditions and wake effects for wind turbines in forested terrain
Dellwik, E., Papetta, A., Arnqvist, J., Nielsen, M. & Larsen, T. J. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Influence of curing profile and fibre architecture on the fatigue resistance of composite materials for wind turbine blades
Mikkelsen, L. P. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

In Search of the Wind Energy Potential
Lundtang Petersen, E. 2017 In : Journal of Renewable and Sustainable Energy. 9, 5, 11 p., 052301
Publication: Research - peer-review › Journal article – Annual report year: 2017

In-situ Calibration of Ground-based Lidar instrument
Publication: Research › Report – Annual report year: 2017

Installation report - Lidar
Publication: Research › Report – Annual report year: 2017

Interfaces between a fibre and its matrix
Publication: Research - peer-review › Conference article – Annual report year: 2017

Interim (5 km) High-Resolution Wind Resource Map for South Africa
Mortensen, N. G., Hahmann, A. N. & Hansen, J. C. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2018

Interim High-Resolution Wind Resource Map for South Africa
Mortensen, N. G., Hansen, J. C. & Hahmann, A. N. 2017
International Requirements for Large Integration of Renewable Energy Sources

Interpreting wind energy resource visualisations for South Africa
Hahmann, A. N., Mortensen, N. G. & Hansen, J. C. 2017

Investigation of sizing - from glass fibre surface to composite interface
Petersen, H. N., Almdal, K., Brandsted, P., Kusano, Y. & Sørensen, B. F. 2017 DTU Nanotech. 84 p.

IRPWIND ScanFlow project

IRPWind ScanFlow Public database

Large Eddy Simulation of an SD7003 Airfoil: Effects of Reynolds number and Subgrid-scale modeling: Paper

Large-Eddy Simulation of turbine wake in complex terrain: Paper

LIDAR Correlation to Extreme Flapwise Moment: Gust Impact Prediction Time and Feedforward Control

Lidars for Wind Tunnels - an IRPWind Joint Experiment Project

Lidars Lifted: The Østerild Balconies Experiment

Load Measurements

Load Measurements
Load Measurements
Publication: Research › Report – Annual report year: 2017

Loads in wind farms under non-neutral ABL stability conditions: A full-scale validation study of the DWM model.
Larsen, G. C., Larsen, T. J. & Hansen, K. S. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Loads in wind farms under non-neutral ABL stability conditions: A full-scale validation study of the DWM model.
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Local microstructure and flow stress in deformed metals
Publication: Research - peer-review › Conference article – Annual report year: 2017

Loss of efficiency in a coaxial arrangement of a pair of wind rotors
Okulov, V. L., Naumov, I. V., Tsoy, M. A. & Mikkelsen, R. F. 2017 In : Thermophysics and Aeromechanics. 24, 4, p. 545-551
Publication: Research - peer-review › Journal article – Annual report year: 2017

Marine wind profiles measured by a wind-lidar – ability of WRF predict marine wind profiles
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Materials for Wind Turbine Blades: An Overview
Publication: Research - peer-review › Journal article – Annual report year: 2017

Measurement methodologies for wind energy based on ground-level remote sensing
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Measurements of surface-layer turbulence in a wide norwegian fjord using synchronized long-range doppler wind lidars
Cheynet, E., Jakobsen, J. B., Snæbjörnsson, J., Mann, J., Courtney, M., Lea, G. & Svardal, B. 2017 In : Remote Sensing. 9, 10, 977
Publication: Research - peer-review › Journal article – Annual report year: 2017

Measurement System & Calibration report
Publication: Research › Report – Annual report year: 2017

Measurement System & Calibration report
Publication: Research › Report – Annual report year: 2017

Measurement System & Calibration report
Publication: Research › Report – Annual report year: 2017
Microstructure and mechanical strength of near- and sub-micrometre grain size copper prepared by spark plasma sintering
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modal Properties and Stability of Bend-Twist Coupled Wind Turbine Blades
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modeling and Validation across Scales: Parametrizing the effect of the forested landscape
Dellwik, E., Badger, M., Angelou, N., Mann, J., Karagali, I., Hahmann, A. N., Cavar, D. & van der Laan, P. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Modeling Atmospheric Turbulence via Rapid Distortion Theory: Spectral Tensor of Velocity and Buoyancy
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modeling of wind turbine vortex generators in considering the inter-effects between arrays
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modelling lidar volume-averaging and its significance to wind turbine wake measurements: Paper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Modelling the elastic properties of cellulose nanopaper
Mao, R., Goutianos, S., Tu, W., Meng, N., Chen, S. & Peijs, T. 2017 In : Materials & Design. 126, p. 183-189
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modelling the wind farm wake for the Horns Rev photo case 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Modelling Wind Turbine Inflow: The Induction Zone
Publication: Research › Ph.D. thesis – Annual report year: 2018

Multi-fidelity optimization of horizontal axis wind turbines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Multiscale characterization of White Etching Cracks (WEC) In a 100Cr6 bearing from a thrust bearing test rig
Publication: Research - peer-review › Journal article – Annual report year: 2017

Multistage optimal PMU placement for hybrid state estimation
Publication: Research › Article in proceedings – Annual report year: 2018
Multi-terminal Offshore Grid for the North Sea Region for 2030 and 2050 Scenarios
Koivisto, M. J., Sørensen, P. E., Maule, P. & Traber, T. 2017
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

Nacelle Transfer Function
Publication: Research › Report – Annual report year: 2017

Nacelle Transfer Function
Publication: Research › Report – Annual report year: 2017

Nacelle Transfer Function
Publication: Research › Report – Annual report year: 2017

Nanocomposites for Machining Tools
Sidorenko, D., Loginov, P., Mishnaevsky, L. & Levashov, E. 2017 In : Materials. 10, 10, 1171
Publication: Research - peer-review › Journal article – Annual report year: 2017

Near-shore wind resource estimation using lidar measurements and modelling
Floors, R. R., Hahmann, A. N. & Pena Diaz, A. 2017
Publication: Research - peer-review › Poster – Annual report year: 2017

Needs for Flexibility Caused by the Variability and Uncertainty in Wind and Solar Generation in 2020, 2030 and 2050 Scenarios
Publication: Research - peer-review › Report – Annual report year: 2017

Koivisto, M. J., Sørensen, P. E., Maule, P., Nuño Martinez, E. & Traber, T. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Koivisto, M. J., Sørensen, P. E., Maule, P., Nuño Martinez, E. & Traber, T. 2017
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

New approach for validating the segmentation of 3D data applied to individual fibre extraction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

New methodologies to observe wind gusts: research aircraft and Doppler lidar measurements
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Next Edition of IEC 61400-27: Electrical simulation models for wind power plants
Sørensen, P. E., Gökşu, Ö., Fortmann, J., Buendia, F. J. & Morales, A. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Nonlinear blade element-momentum analysis of Betz-Goldstein rotors
Publication: Research - peer-review › Journal article – Annual report year: 2017
Non-spherical voids and lattice reorientation patterning in a shock-loaded Al single crystal
Publication: Research - peer-review › Journal article – Annual report year: 2017

NSON-DK energy system scenario
Publication: Research - peer-review › Report – Annual report year: 2017

Numerical modelling of micro-plasto-hydrodynamic lubrication in plane strip drawing
Publication: Research - peer-review › Journal article – Annual report year: 2016

Numerical modelling of microscopic lubricant flow in sheet metal forming. Application to plane strip drawing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Numerical Study of Wind Turbine Wake Modeling Based on a Actuator Surface Model
Publication: Research - peer-review › Journal article – Annual report year: 2017

Observation of simultaneous increase in strength and ductility by grain refinement in a Fe-34.5Mn-0.04C steel
Publication: Research - peer-review › Conference article – Annual report year: 2017

OC5 Project Phase II: Validation of Global Loads of the DeepCwind Floating Semisubmersible Wind Turbine
Publication: Research - peer-review › Journal article – Annual report year: 2017

Offshore Wind Farms and HVDC Grids Modeling as a Feedback Control System for Stability Analysis
Bidadfar, A., Saborío-Romano, O., Altin, M., Göksu, Ö., Cutululis, N. A. & Sørensen, P. E. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Offshore Wind Power Plant Technology Catalogue - Components of wind power plants, AC collection systems and HVDC systems
Publication: Research - peer-review › Report – Annual report year: 2018

Offshore winds from a new generation of European satellites
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

On AEP prediction and wake modelling at Anholt
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

On the impact of wind on the development of wave field during storm Britta
Publication: Research - peer-review › Journal article – Annual report year: 2017
On the spatial and temporal resolution of land cover products for applied use in wind resource mapping
Publication: Research - peer-review › Poster – Annual report year: 2017

On wake modeling, wind-farm gradients and AEP predictions at the Anholt wind farm
Publication: Research - peer-review › Journal article – Annual report year: 2017

Operational modal analysis on a VAWT in a large wind tunnel using stereo vision technique
Najafi, N. & Schmidt Paulsen, U. 2017 In : Energy. 125, p. 405-416
Publication: Research - peer-review › Journal article – Annual report year: 2017

Optimisation of Data Acquisition in Wind Turbines with Data-Driven Conversion Functions for Sensor Measurements
Publication: Research - peer-review › Conference article – Annual report year: 2018

Optimization and comparison of superconducting generator topologies for a 10 MW wind turbine application
Publication: Research - peer-review › Conference article – Annual report year: 2017

Optimization of wind farm power production using innovative control strategies
Publication: Research › Report – Annual report year: 2017

Orientation and length scale effects on dislocation structure in highly oriented nanotwinned Cu
Publication: Research - peer-review › Conference article – Annual report year: 2017

Perdigão 2015: Methodology for atmospheric multi-Doppler lidar experiments
Publication: Research - peer-review › Journal article – Annual report year: 2017

Performance and Equivalent Loads of Wind Turbines in Large Wind Farms
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Performance of four PBL schemes in WRF at Villum Research Station, Station Nord, Greenland
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

PhD defence: How to measure remotely the wind using nacelle lidars for power performance testing
Borraccino, A. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017
Potential of Partially Superconducting Generators for Large Direct-Drive Wind Turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Potential solution for rain erosion of wind turbine blades
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017
Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements REWS
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements REWS
Publication: Research › Report – Annual report year: 2017

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

Power Properties of Two Interacting Wind Turbine Rotors
Okulov, V., Mikkelsen, R. F., Sørensen, J. N., Naumov, I. & Tsoy, M. A. 2017 In : Journal of Energy Resources Technology. 139, 5, 6 p., 051210-1
Publication: Research - peer-review › Journal article – Annual report year: 2017

Power-Smoothing Scheme of a DFIG Using the Adaptive Gain Depending on the Rotor Speed and Frequency Deviation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Prediction of multi-wake problems using an improved Jensen wake model
Publication: Research - peer-review › Journal article – Annual report year: 2017
Prediction of the shape of inline wave force and free surface elevation using First Order Reliability Method (FORM)
Publication: Research - peer-review › Conference article – Annual report year: 2017

Probabilistic Design of Wind Turbine Structures: Design Studies and Sensitivities to Model Parameters
Publication: Research › Ph.D. thesis – Annual report year: 2018

Probabilistic prosumer node modeling for estimating planning parameters in distribution networks with renewable energy sources
Millar, R. J., Ekstrom, J., Lehtonen, M., Saarjarvi, E., Degefa, M. & Koivisto, M. J. 2017
Publication: Research - peer-review › Paper – Annual report year: 2018

Publication: Research - peer-review › Book – Annual report year: 2017

Prospects for generating electricity by large onshore and offshore wind farms: Letter
Publication: Research - peer-review › Journal article – Annual report year: 2017

Quantification of deformation microstructure at ultra-low tensile strain in pure Al prepared by spark plasma sintering
Publication: Research - peer-review › Conference article – Annual report year: 2017

Ramp events in the marine boundary-layer investigated by a wind lidar.
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Rayleigh's quotient–based damage detection algorithm: Theoretical concepts, computational techniques, and field implementation strategies
NJOMO WANDJI, W. 2017 In : Structural Health Monitoring.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Real-time impact of power balancing on power system operation with large scale integration of wind power
Publication: Research - peer-review › Journal article – Annual report year: 2016

Recommended practices for wind farm data collection and reliability assessment for O&M optimization
Publication: Research - peer-review › Journal article – Annual report year: 2018

Recrystallization texture in nickel heavily deformed by accumulative roll bonding
Publication: Research - peer-review › Journal article – Annual report year: 2017

Reducing Turbine Mechanical Loads Using Flow Model-Based Wind Farm Controller
Kazda, J. & Cutululis, N. A. 2017
Publication: Research › Poster – Annual report year: 2018
Reductions in Offshore Wind Energy
Poulsen, T. & Hasager, C. B. 2017
Publication: Research › Poster – Annual report year: 2017

Remotely measuring the wind using turbine-mounted lidars: Application to power performance testing
Publication: Research › Ph.D. thesis – Annual report year: 2017

Results of the GABLS3 diurnal-cycle benchmark for wind energy applications: Paper
Publication: Research - peer-review › Journal article – Annual report year: 2018

Revealing fatigue damage evolution in unidirectional composites for wind turbine blades using x-ray computed tomography
Mikkelsen, L. P. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Role of copper on Laves phase morphology in 9-12%Cr steels
Publication: Research - peer-review › Conference article – Annual report year: 2017

Rotor and wind turbine formalism
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Rotors in Complex Inflow, AVATAR, WP2
Sørensen, N. N. 2017
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Roughness of grain boundaries in partly recrystallized aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2016

RUNE benchmarks
Peña, A. 2017 DTU Wind Energy. 25 p. (DTU Wind Energy E; No. 0134(EN)).
Publication: Research › Report – Annual report year: 2017

Scaling of turbulence spectra measured in strong shear flow near the Earth’s surface
Publication: Research - peer-review › Journal article – Annual report year: 2017

Scanning Lidar Spatial Calibration and Alignment Method for Wind Turbine Wake Characterization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Selective Laser Melting of Hot Gas Turbine Components: Materials, Design and Manufacturing Aspects
Publication: Research - peer-review › Conference article – Annual report year: 2017
Self-Reinforced PLA Composites: Bio-based and Biodegradable Polymer Materials for Industrial Applications
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Self-similarity of far wake behind tandem of two disks
Publication: Research - peer-review › Journal article – Annual report year: 2017

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

Sensitivity analysis of WRF model PBL schemes in simulating boundary-layer variables in southern Italy: An experimental campaign
Publication: Research - peer-review › Journal article – Annual report year: 2017

Short-term residential load forecasting: Impact of calendar effects and forecast granularity
Publication: Research - peer-review › Journal article – Annual report year: 2017

Shot peening speed measurements using lidar technology
Publication: Research - peer-review › Report – Annual report year: 2017

Simulating coastal effects on an offshore wind farm
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Simulating European wind power generation applying statistical downscaling to reanalysis data
Publication: Research - peer-review › Journal article – Annual report year: 2017

Simulation and Analysis of Wind Turbine Wakes
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Simulation of regional day-ahead PV power forecast scenarios
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Simulation of the Flow past a Circular Cylinder Using an Unsteady Panel Method
Publication: Research - peer-review › Journal article – Annual report year: 2016
Site assessment
Publication: Research › Report – Annual report year: 2017

Solving conic optimization problems via self-dual embedding and facial reduction: A unified approach
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spatial reliability analysis of a wind turbine blade cross section subjected to multi-axial extreme loading
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spatiotemporally resolved characteristics of a gliding arc discharge in a turbulent air flow at atmospheric pressure
Publication: Research - peer-review › Journal article – Annual report year: 2017

Specimen design and instrumentation for monitoring fatigue crack growth initiating at ply drops
Goutianos, S., Di Crescenzo, L., McGugan, M. & Sørensen, B. F. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Spectral analysis of long term measurements of wind and turbulence from tall masts –land and sea based.
Lundtang Petersen, E., Larsén, X. G. & Larsen, S. E. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Spoiled darkness? Sense of place and annoyance over obstruction lights from the world’s largest wind turbine test centre in Denmark
Rudolph, D. P., Kirkegaard, J. K., Lyhne, I., Clausen, N-E. & Kørnøv, L. 2017 In : Energy Research & Social Science. 25, p. 80-90
Publication: Research - peer-review › Journal article – Annual report year: 2017

Statistical characterization of roughness uncertainty and impact on wind resource estimation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Stored energy and recrystallized microstructures in nickel processed by accumulative roll bonding to different strains
Zhang, Y. & Mishin, O. 2017 In : Materials Characterization. 129, p. 323-328
Publication: Research - peer-review › Journal article – Annual report year: 2017

Stress and Strain Gradients In a Low Carbon Steel Deformed under Heavy Sliding
Zhang, X., Hansen, N. & Huang, X. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Structural degradation of a large composite wind turbine blade in a full-scale fatigue test
Chen, X. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Structural design optimization of a morphing trailing edge flap for wind turbine blades
Barlas, A., Lin, Y-H. & Aagaard Madsen, H. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Structural refinement and property optimization in an Fe-23Cr-8.5Ni duplex stainless steel
Publication: Research - peer-review › Journal article – Annual report year: 2017
Studying fatigue damage evolution in uni-directional composites using x-ray computed tomography
Mikkelsen, L. P. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Study of integrated optimization design of wind farm in complex terrain
Publication: Research › Journal article – Annual report year: 2018

Study on variable pitch strategy in H-type wind turbine considering effect of small angle of attack
Publication: Research › Journal article – Annual report year: 2017

Suitable Method of Overloading for Fast Primary Frequency Control from Offshore Wind Power Plants in Multi-Terminal DC Grid
Publication: Research › Article in proceedings – Annual report year: 2017

Summary of the Blind Test Campaign to predict the High Reynolds number performance of DU00-W-210 airfoil
Publication: Research › Conference article – Annual report year: 2017

Surface crack formation on rails at grinding induced martensite white etching layers
Publication: Research › Journal article – Annual report year: 2017

Synchrotron measurements of local microstructure and residual strains in ductile cast iron
Publication: Research › Conference article – Annual report year: 2017

Synchrotron X-ray measurement of residual strain within the nose of a worn manganese steel railway crossing
Publication: Research › Journal article – Annual report year: 2017

Technical impacts of high penetration levels of wind power on power system stability
Publication: Research › Journal article – Annual report year: 2016

The blade element momentum (BEM) method
Publication: Research › Book chapter – Annual report year: 2017

The Contribution of Kawada to the Analytical Solution for the Velocity Induced by a Helical Vortex Filament and Modern Applications of Helical Vortices
Publication: Research › Article in proceedings – Annual report year: 2016
The Effect of Nano-TiC Addition on Sintered Nd-Fe-B Permanent Magnets
Publication: Research - peer-review › Journal article – Annual report year: 2016

The effect of stability on the coastal gradients at the Anholt wind farm
Volker, P., Hasager, C. B., Badger, M. & Hansen, K. S. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

The flow upstream of a row of aligned wind turbine rotors and its effect on power production
Publication: Research - peer-review › Journal article – Annual report year: 2016

The influence of carbon and oxygen on the magnetic characteristics of press-less sintered NdFeB magnets
Publication: Research - peer-review › Journal article – Annual report year: 2016

The influence of multiscale heterogeneity on recrystallization in nickel processed by accumulative roll bonding
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Martian Planetary Boundary Layer
Publication: Research - peer-review › Book chapter – Annual report year: 2017

The (R)evolution of China: Offshore Wind Diffusion
Poulsen, T. & Hasager, C. B. 2017 In : Energies. 10, 12, 2153
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Role of Logistics in Practical Levelized Cost of Energy Reduction Implementation and Government Sponsored Cost Reduction Studies: Day and Night In Offshore Wind Operations and Maintenance Logistics
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Triple Spar Campaign: Implementation and Test of a Blade Pitch Controller on a Scaled Floating Wind Turbine Model
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Triple Spar campaign: Model tests of a 10MW floating wind turbine with waves, wind and pitch control
Publication: Research - peer-review › Journal article – Annual report year: 2017

The use of a wave boundary layer model in SWAN
Publication: Research - peer-review › Journal article – Annual report year: 2016

Three dimensional fatigue damage evolution in non-crimp glass fibre fabric based composites used for wind turbine blades
Publication: Research - peer-review › Journal article – Annual report year: 2017
Three-Dimensional X-Ray Diffraction Technique for Metals Science
Publication: Research - peer-review › Journal article – Annual report year: 2017

Topology Comparison of Superconducting Generators for 10-MW Direct-Drive Wind Turbines: Cost of Energy Based
Publication: Research - peer-review › Journal article – Annual report year: 2017

Translational, rotational, vibrational and electron temperatures of a gliding arc discharge
Publication: Research - peer-review › Journal article – Annual report year: 2017

Turbulence and entrainment length scales in large wind farms
Publication: Research - peer-review › Journal article – Annual report year: 2017

Turbulence characterization from a forward-looking nacelle lidar
Publication: Research - peer-review › Journal article – Annual report year: 2017

Turbulence estimation from a continuous-wave scanning lidar (SpinnerLidar)
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Two years of wind-lidar measurements at an Italian Mediterranean Coastal Site
Publication: Research - peer-review › Journal article – Annual report year: 2017

Ultimate design load analysis of planetary gearbox bearings under extreme events
Publication: Research - peer-review › Journal article – Annual report year: 2016

Ultra-low-angle boundary networks within recrystallizing grains
Publication: Research - peer-review › Journal article – Annual report year: 2017

Uncertainty quantification in wind farm flow models
Publication: Research › Ph.D. thesis – Annual report year: 2017

Uncovering fatigue damage development in unidirectional composites using x-ray computed tomography
Mikkelsen, L. P. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Unidirectional Fibre Composite Characterisation from X-ray Tomography
Publication: Research › Poster – Annual report year: 2017
Using a 1-D model to reproduce the diurnal variability of SST
Publication: Research - peer-review › Journal article – Annual report year: 2017

Using a finite element pediatric hip model in clinical 2 evaluation - a feasibility study
Publication: Research - peer-review › Journal article – Annual report year: 2018

Using wind speed from a blade-mounted flow sensor for power and load assessment on modern wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Validation of a CFD model with a synchronized triple-lidar system in the wind turbine induction zone
Publication: Research - peer-review › Journal article – Annual report year: 2017

Validation of sentinel-1A SAR coastal wind speeds against scanning LiDAR
Ahsbahs, T. T., Badger, M., Karagali, I. & Larsén, X. G. 2017 In : Remote Sensing. 9, 6, 17 p., 552
Publication: Research - peer-review › Journal article – Annual report year: 2017

Validation of the dynamic wake meander model with focus on tower loads
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Validation of the dynamic wake meander model with focus on tower loads: Paper
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017

Validation of the Revised WAsP Park Model
Publication: Research - peer-review › Poster – Annual report year: 2017

Validation of the Revised WAsP Park Model
Publication: Research - peer-review › Paper – Annual report year: 2017

Variable speed control for Vertical Axis Wind Turbine
Publication: Research - peer-review › Report – Annual report year: 2017

Verification of a novel innovative blade root design for wind turbines using a hybrid numerical method
Publication: Research - peer-review › Journal article – Annual report year: 2017

Vindmøller. Opskalering, Koncepter
Larsen, T. J. 2017
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2017

Vortex and source rings
Wake developments behind different configurations of passive disks and active rotors: Paper

Wake Expansion Models

Why the Coriolis force turns a wind farm wake clockwise in the Northern Hemisphere

Wind and Yaw correlation

Wind farm design in complex terrain: the FarmOpt methodology

Wind farm power production in the changing wind: Robustness quantification and layout optimization

Wind Farm Wake

Wind Farm Wake: The 2016 Horns Rev Photo Case

Wind field determination from multiple Spinner-Lidar line-of-sight measurements using linearized CFD

Wind Field Reconstruction from Nacelle-Mounted Lidars Short Range Measurements

Wind field re-construction of 3D Wake measurements from a turbine-installed scanning lidar
Wind power forecasting—a review of the state of the art
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Wind power variability and power system reserves in South Africa
Publication: Research - peer-review › Journal article – Annual report year: 2018

Wind resource error estimation from mesoscale modeling for the Wind Atlas for South Africa
Publication: Research - peer-review › Poster – Annual report year: 2017

Wind Turbine Aerodynamics and Vorticity-Based Methods: Fundamentals and Recent Applications
Publication: Research - peer-review › Book – Annual report year: 2017

Wind turbine influence on surfers' wind conditions at Hanstholm
Publication: Research - peer-review › Report – Annual report year: 2017

Wind Turbine Technologies
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Yaw-modelling using a skewed vortex cylinder
Publication: Research - peer-review › Book chapter – Annual report year: 2017

A strain gauge
Mikkelsen, L. P. & Zike, S. 11 Feb 2016
Publication: Research › Patent – Annual report year: 2016

3D Characterization of Recrystallization Boundaries
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

3D characterization of rolling contact fatigue crack networks
Publication: Research - peer-review › Journal article – Annual report year: 2016

3D X-ray CT of fatigue damage in fibre composites
Publication: Research › Poster – Annual report year: 2016

Accuracy of an efficient framework for structural analysis of wind turbine blades
Publication: Research - peer-review › Journal article – Annual report year: 2015

A comparative study on the flow over an airfoil using transitional turbulence models
Publication: Research - peer-review › Conference article – Annual report year: 2016
A Comparison of sector-scan and dual Doppler wind measurements at Høvsøre Test Station – one lidar or two?
Publication: Research - peer-review › Report – Annual report year: 2016

A comprehensive investigation of trailing edge damage in a wind turbine rotor blade
Publication: Research - peer-review › Journal article – Annual report year: 2016

A computational method for sharp interface advection
Publication: Research - peer-review › Journal article – Annual report year: 2016

A coupled near and far wake model for wind turbine aerodynamics
Publication: Research - peer-review › Journal article – Annual report year: 2016

Actuator disk model of wind farms based on the rotor average wind speed
Publication: Research - peer-review › Journal article – Annual report year: 2016

Aerial LIDAR scans for validation of CFD models in complex forested terrain
Publication: Research › Conference abstract for conference – Annual report year: 2016

Aerial sensor for wind turbines Design, implementation and demonstration of the technology
Publication: Research - peer-review › Report – Annual report year: 2016

Aerodynamic model of floating vertical axis wind turbines using the actuator cylinder flow method
Publication: Research - peer-review › Conference article – Annual report year: 2016

Aerodynamic Optimization of Vertical Axis Wind Turbine with Trailing Edge Flap
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Aerodynamics
Aerodynamic wind-turbine rotor design using surrogate modeling and three-dimensional viscous-inviscid interaction technique

Aeroelastic Optimization of a 10 MW Wind Turbine Blade with Active Trailing Edge Flaps

Aeroservoelastic analysis of storm-ride-through control strategies for wind turbines

Aerosol dynamics within and above forest in relation to turbulent transport and dry deposition

A finite difference approach to despiking in-stationary velocity data - tested on a triple-lidar

Ag-catalyzed InAs nanowires grown on transferable graphite flakes

A gradient nanostructure generated in pure copper by platen friction sliding deformation

A heuristic for the synthesis of credible operating states in the presence of renewable energy sources

A hybrid model for the wind profile (direction and speed) for the whole

A LIDAR-assisted model predictive controller added on a traditional wind turbine controller
Mirzaei, M. & Hansen, M. H. 2016 American Control Conference (ACC 2016) . IEEE, p. 1381-1386

Alternative approach for establishing the Nacelle Transfer Function

A Micropulse eye-safe all-fiber molecular backscatter coherent temperature lidar
Abari, C. F., Chu, X., Mann, J. & Spuler, S. 2016 In : E P J Web of Conferences. 119, 4 p., 25005
A model for Quick Load Analysis for monopile-type offshore wind turbine substructures
Publication: Research - peer-review › Conference article – Annual report year: 2016

An acentric rotation of helical vortex pair
Okulov, V. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

An acentric rotation of two helical vortices of the same circulations
Okulov, V. 2016 In : Regular and Chaotic Dynamics. 21, 3, p. 267–273
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis and design of bend-twist coupled wind turbine blades
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Analysis of different atmospheric physical parameterizations in COAWST modeling system for the Tropical Storm Nocken application
Ren, D., Du, J., Hua, F., Yang, Y. & Han, L. 2016 In : Natural Hazards. 82, 2, p. 903-920
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis of throw distances of detached objects from horizontal-axis wind turbines
Chivaee, H. S. & Sørensen, J. N. 2016 In : Wind Energy. 19, 1, p. 151–166
Publication: Research - peer-review › Journal article – Annual report year: 2015

Analytical techniques and tools for power balancing assessments
Publication: Research - peer-review › Report – Annual report year: 2017

An efficient second-order SQP method for structural topology optimization
Rojas Labanda, S. & Stolpe, M. 2016 In : Structural and Multidisciplinary Optimization. 53, 6, p. 1315-1333
Publication: Research - peer-review › Journal article – Annual report year: 2016

An experimental and numerical study of the atmospheric stability impact on wind turbine wakes
Publication: Research - peer-review › Journal article – Annual report year: 2015

An exponential chemorheological model for viscosity dependence on degree-of-cure of a polyfurfuryl alcohol resin during the post-gel curing stage
Publication: Research - peer-review › Journal article – Annual report year: 2016

An innovative method to calibrate a spinner anemometer without the use of yaw position sensor
Publication: Research - peer-review › Journal article – Annual report year: 2016

An Inter-Comparison Study of Multi- and DBS Lidar Measurements in Complex Terrain
Publication: Research - peer-review › Journal article – Annual report year: 2016
An investigation on wind turbine resonant vibrations
Publication: Research - peer-review › Journal article – Annual report year: 2015

A noise generation and propagation model for large wind farms
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A novel full scale experimental characterization of wind turbine aero-acoustic noise sources - preliminary results
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

An Overview of Offshore Wind Farm Design
Publication: Research - peer-review › Book chapter – Annual report year: 2016

A numerical study on the flow upstream of a wind turbine on complex terrain
Publication: Research - peer-review › Conference article – Annual report year: 2016

Apparent interfacial shear strength of short-flax-fiber/starch acetate composites
Publication: Research - peer-review › Journal article – Annual report year: 2016

Application of helical vortex solutions to determine wind turbine tip loss
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Application of short-range dual-Doppler lidars to evaluate the coherence of turbulence
Publication: Research - peer-review › Journal article – Annual report year: 2016

Approach for investigations of progressive fatigue damage in 3D in fibre composites using X-ray tomography
Publication: Research - peer-review › Paper – Annual report year: 2016

A refined tip correction based on decambering
Publication: Research - peer-review › Journal article – Annual report year: 2015

A relaxed-certificate facial reduction algorithm based on subspace intersection
Publication: Research - peer-review › Journal article – Annual report year: 2016

Årsrapport for Energistyrelsens Godkendelsessekretariat 2015
Publication: Research - peer-review › Report – Annual report year: 2016
A simplified model predicting the weight of the load carrying beam in a wind turbine blade
Mikkelsen, L. P. 2016 In : IOP Conference Series: Materials Science and Engineering. 139, 8 p., 012038
Publication: Research - peer-review › Journal article – Annual report year: 2016

Assessment of blockage effects on the wake characteristics and power of wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2016

A Two-Level Undercut-Profile Substrate for Chemical-Solution-Based Filamentary Coated Conductors
Wulff, A. C., Lundeman, J. H., Hansen, J. B., Mishin, O., Yue, Z., Mohajeri, R. & Grivel, J-C. 2016 In : IEEE Transactions on Applied Superconductivity. 26, 3, 4 p., 6601604
Publication: Research - peer-review › Journal article – Annual report year: 2016

Bayesian inference model for fatigue life of laminated composites
Dimitrov, N. K., Kiureghian, A. D. & Berggreen, C. 2016 In : Journal of Composite Materials. 50, 2, p. 131-143
Publication: Research - peer-review › Journal article – Annual report year: 2015

Benchmarking aerodynamic prediction of unsteady rotor aerodynamics of active flaps on wind turbine blades using ranging fidelity tools
Publication: Research - peer-review › Conference article – Annual report year: 2016

Blade-element/momentum theory
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Breaking phase focused wave group loads on offshore wind turbine monopiles
Publication: Research - peer-review › Conference article – Annual report year: 2016

Calculating the sensitivity of wind turbine loads to wind inputs using response surfaces
Publication: Research - peer-review › Conference article – Annual report year: 2016

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

Calibration of Ground-based Lidar instrument
Villanueva, H. & Gómez Arranz, P. 2016 DTU Wind Energy. 29 p. (DTU Wind Energy LC I; No. 084(EN)).
Publication: Research › Report – Annual report year: 2016

Calibration of Ground-based Lidar instrument
Villanueva, H. & Gómez Arranz, P. 2016 DTU Wind Energy. 29 p. (DTU Wind Energy LC I; No. 090(EN)).
Publication: Research › Report – Annual report year: 2016

Calibration of Ground-based Lidar instrument
Villanueva, H. & Géorgieva Yankova, G. 2016 DTU Wind Energy. 29 p. (DTU Wind Energy LC I; No. 091(EN)).
Publication: Research › Report – Annual report year: 2016
Carbon fiber/carbon nanotube reinforced hierarchical composites: Effect of CNT distribution on shearing strength
Publication: Research - peer-review › Journal article – Annual report year: 2016

CBLIB 2014: a benchmark library for conic mixed-integer and continuous optimization
Friberg, H. A. 2016 In : Mathematical Programming Computation. 8, 2, p. 191-214
Publication: Research - peer-review › Journal article – Annual report year: 2016

CFD code comparison for 2D airfoil flows
Publication: Research - peer-review › Conference article – Annual report year: 2016

CFD computations of the second round of MEXICO rotor measurements
Publication: Research - peer-review › Conference article – Annual report year: 2016

Characterization and modelling of the mechanical properties of mineral wool
Publication: Research › Ph.D. thesis – Annual report year: 2016

Characterization Of Biaxial Strain Of Poly(L-Lactide) Tubes
Publication: Research - peer-review › Journal article – Annual report year: 2015

Characterization of wind velocities in the upstream induction zone of a wind turbine using scanning continuous-wave lidars
Publication: Research - peer-review › Journal article – Annual report year: 2016

Characterization of wind velocities in the wake of a full scale wind turbine using three ground-based synchronized WindScanners
Publication: Research - peer-review › Conference article – Annual report year: 2016

China's experimental pragmatics of "Scientific development" in wind power: Algorithmic struggles over software in wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2016

Cluster Control of Offshore Wind Power Plants Connected to a Common HVDC Station
Publication: Research - peer-review › Conference article – Annual report year: 2016

Coarsening kinetics of fine-scale microstructures in deformed materials
Publication: Research - peer-review › Journal article – Annual report year: 2016
Coastal wind study based on Sentinel-1 and ground-based scanning lidar
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2016

Cohesive zone modelling and the fracture process of structural tape
Publication: Research - peer-review » Article in proceedings – Annual report year: 2016

Comparative analysis of methods for modelling the short-term probability distribution of extreme wind turbine loads
Publication: Research - peer-review » Journal article – Annual report year: 2015

Comparison of a Coupled Near and Far Wake Model With a Free Wake Vortex Code
Publication: Research - peer-review » Journal article – Annual report year: 2016

Comparison of classical methods for blade design and the influence of tip correction on rotor performance
Publication: Research - peer-review » Conference article – Annual report year: 2016

Comparison of OpenFOAM and EllipSys3Dfor neutral atmospheric flow over complex terrain
Publication: Research - peer-review » Journal article – Annual report year: 2016

Comparison of superconducting generators and permanent magnet generators for 10-MW direct-drive wind turbines
Publication: Research - peer-review » Article in proceedings – Annual report year: 2017

Comparison of the far wake behind dual rotor and dual disk configurations
Publication: Research - peer-review » Conference article – Annual report year: 2016

Comparison of the near-wake between actuator-line simulations and a simplified vortex model of a horizontal-axis wind turbine
Publication: Research - peer-review » Journal article – Annual report year: 2015

Compatibility of IEC 61400-27-1 Ed 1 and WECC 2nd Generation Wind Turbine Models
Publication: Research - peer-review » Article in proceedings – Annual report year: 2016

Compensating active power imbalances in power system with large-scale wind power penetration
Publication: Research - peer-review » Journal article – Annual report year: 2015

Computing the flow past Vortex Generators: Comparison between RANS Simulations and Experiments
Conceptual optimal design of jackets
Sandal, K., Verbart, A. & Stolpe, M. 2016

Condensation of long-term wave climates for the fatigue design of hydrodynamically sensitive offshore wind turbine support structures

Condition monitoring of planetary gearbox by hardware implementation of artificial neural networks
Dabrowski, D. 2016 In: Measurement. 91, p. 295-308

Configuration of technology networks in the wind turbine industry. A comparative study of technology management models in European and Chinese lead firms

Connection of OWPPs to HVDC networks using VSCs and Diode Rectifiers: an Overview
Saborío-Romano, O., Bidadfar, A., Göksu, Ö., Altin, M., Cutululis, N. A. & Sørensen, P. E. 2016

Control and design of volumetric composition in pultruded hybrid fibre composites

Controlled retting of hemp fibres: Effect of hydrothermal pre-treatment and enzymatic retting on the mechanical properties of unidirectional hemp/epoxy composites

Coordinated Control Scheme for Ancillary Services from Offshore Wind Power Plants to AC and DC Grids

Coordinated Fast Primary Frequency Control from Offshore Wind Power Plants in MTDC System

Coordinated Voltage Control in Offshore HVDC Connected Cluster of Wind Power Plants

Correlation of mesoscale wind speeds over the sea
Deploying scanning lidars at coastal sites
Publication: Research - peer-review › Report – Annual report year: 2016

DeRisk - Accurate prediction of ULS wave loads. Outlook and first results
Publication: Research - peer-review › Conference article – Annual report year: 2016

Derivation of Path Independent Coupled Mix Mode Cohesive Laws from Fracture Resistance Curves
Publication: Research - peer-review › Journal article – Annual report year: 2016

Deriving 3d point clouds from terrestrial photographs comparison of different sensors and software
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Design Load Basis for Offshore Wind turbines: DTU Wind Energy Report No. E-0133
Publication: Research › Report – Annual report year: 2016

Design of an aeroelastically tailored 10 MW wind turbine rotor
Publication: Research - peer-review › Conference article – Annual report year: 2016

Design of floating offshore wind turbines
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Design of Large Wind Turbines using Fluid-Structure Coupling Technique
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Design of Wind Turbine Blades
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Design optimization of jacket structures for mass production
Sandal, K., Verbart, A. & Stolpe, M. 2016
Publication: Research - peer-review › Poster – Annual report year: 2017

Design Optimization of Piles for Offshore Wind Turbine Jacket Foundations
Sandal, K. & Zania, V. 2016
Publication: Research › Poster – Annual report year: 2016

Detailed field test of yaw-based wake steering
Determination of a cohesive law for delamination modelling - Accounting for variation in crack opening and stress state across the test specimen width
Joki, R. K., Grytten, F., Hayman, B. & Sørensen, B. F. 2016 In : Composites Science and Technology. 128, p. 49-57
Publication: Research - peer-review › Journal article – Annual report year: 2016

Determination of mode-I cohesive strength for interfaces
Publication: Research - peer-review › Journal article – Annual report year: 2016

Development and design of a semi-floater substructure for multi-megawatt wind turbines at 50+ m water depths
Publication: Research - peer-review › Journal article – Annual report year: 2016

Diagnosis of wind turbine rotor system
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Direct calculation of wind turbine tip loss
Publication: Research - peer-review › Journal article – Annual report year: 2016

Discontinuous Galerkin methodology for Large-Eddy Simulations of wind turbine airfoils
Publication: Research - peer-review › Conference article – Annual report year: 2016

Dislocation-based plasticity and strengthening mechanisms in sub-20 nm lamellar structures in pearlitic steel wire
Publication: Research - peer-review › Journal article – Annual report year: 2016

Dynamical and statistical-dynamical modelling of wind farm flows with WRF
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Dynamic behavior of parked wind turbine at extreme wind speed
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Dynamic Droop-Based Inertial Control of a Doubly-Fed Induction Generator
Publication: Research - peer-review › Journal article – Annual report year: 2016

Dynamic Reactive Power Control in Offshore HVDC Connected Wind Power Plants
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Estimating near-shore wind resources

Estimation of turbulence intensity using rotor effective wind speed in Lillgrund and Horns Rev-I offshore wind farms

Estimation of wake propagation behind the rotors of wind-powered generators

Evaluation of three lidar scanning strategies for turbulence measurements

Experimental and numerical study of a 10MW TLP wind turbine in waves and wind

Experimental and Numerical Study of Rotor Dynamics of a Two- and Three-Bladed Wind Turbine

Experimental benchmark and code validation for airfoils equipped with passive vortex generators

Experimental investigation of wake evolution behind a couple of flat discs in a hydrochannel
Naumov, I. V., Litvinov, I. V., Mikkelsen, R. F. & Okulov, V. 2016 In : Thermophysics and Aeromechanics. 23, 5, p. 657-666

Ex-situ time-lapse x-ray CT study of 3D micro-structural fatigue damage evolution in uni-directional composites

Extension of Goldstein's circulation function for optimal rotors with hub

Extrapolating Satellite Winds to Turbine Operating Heights
Extreme load alleviation using industrial implementation of active trailing edge flaps in a full design load basis
Publication: Research - peer-review › Conference article – Annual report year: 2016

Extreme Wind Calculation Applying Spectral Correction Method – Test and Validation
Publication: Research - peer-review › Report – Annual report year: 2016

Extreme Wind Calculation Applying Spectral Correction Method – Test and Validation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Fatigue damage assessment of uni-directional non-crimp fabric reinforced polyester composite using X-ray computed tomography
Publication: Research - peer-review › Journal article – Annual report year: 2016

Fatigue damage observed non-destructively in fibre composite coupon test specimens by X-ray CT
Publication: Research - peer-review › Journal article – Annual report year: 2016

FBG_SiMul V1.0: Fibre Bragg grating signal simulation tool for finite element method models
Publication: Research - peer-review › Journal article – Annual report year: 2016

Fiber pull-out test and single fiber fragmentation test - analysis and modelling
Publication: Research - peer-review › Journal article – Annual report year: 2016

Fibre Bragg Grating as a Multi-Stage Structure Health Monitoring Sensor
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Fibre Bragg Grating Sensor Signal Post-processing Algorithm: Crack Growth Monitoring in Fibre Reinforced Plastic Structures
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Field Validation of IEC 61400-27-1 Wind Generation Type 3 Model with Plant Power Factor Controller
Publication: Research - peer-review › Journal article – Annual report year: 2016

Floating substructure flexibility of large-volume 10MW offshore wind turbine platforms in dynamic calculations
Publication: Research - peer-review › Conference article – Annual report year: 2016
Guslánd arc surface modification of carrot nanofibre coating - perspective for composite processing
Publication: Research - peer-review › Journal article – Annual report year: 2016

Gust factor based on research aircraft measurements: A new methodology applied to the Arctic marine boundary layer: Gust Factors in the Marine Arctic
Publication: Research - peer-review › Journal article – Annual report year: 2016

Hierarchical machining materials and their performance
Publication: Research - peer-review › Journal article – Annual report year: 2016

Hierarchical materials: Background and perspectives
Publication: Research - peer-review › Editorial – Annual report year: 2016

Hierarchical nanoreinforced composites: Computational analysis of damage mechanisms
Publication: Research - peer-review › Journal article – Annual report year: 2016

Poulsen, T. & Hasager, C. B. 2016 In: Energies. 9, 6, 23 p., 437
Publication: Research - peer-review › Journal article – Annual report year: 2016

How Forest Inhomogeneities Affect the Edge Flow
Publication: Research - peer-review › Journal article – Annual report year: 2016

Hydropower flexibility and transmission expansion to support integration of offshore wind
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Ice detection on wind turbines using observed power curve
Publication: Research - peer-review › Journal article – Annual report year: 2016

Identifying and characterizing the impact of turbine icing on wind farm power generation: Impact of turbine icing on wind farm production
Publication: Research - peer-review › Journal article – Annual report year: 2016

Impact of atmospheric stability conditions on wind farm loading and production
Publication: Research - peer-review › Report – Annual report year: 2016

Impact of a wind turbine on turbulence: Un-freezing turbulence by means of a simple vortex particle approach
Publication: Research - peer-review › Journal article – Annual report year: 2016
Improved blade element momentum theory for wind turbine aerodynamic computations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improved Frequency Control from Wind Power Plants Considering Wind Speed Variation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Improvement of airfoil trailing edge bluntness noise model
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improvement of TNO type trailing edge noise models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates
Publication: Research - peer-review › Journal article – Annual report year: 2016

Influence of strain rate on the orientation dependence of microstructure in nickel single crystals
Publication: Research - peer-review › Journal article – Annual report year: 2016

Integration of Renewable Generation in Power System Defence Plans
Publication: Research › Ph.D. thesis – Annual report year: 2016

Introduction
Publication: Communication › Book chapter – Annual report year: 2017

Introduction to wind power models for frequency control studies
Publication: Research › Report – Annual report year: 2016
Investigating Coherent Structures in the Standard Turbulence Models using Proper Orthogonal Decomposition
Publication: Research - peer-review › Conference article – Annual report year: 2016

Investigation of Mechanical Properties of Unidirectional Steel Fiber/Polyester Composites: Experiments and Micromechanical Predictions
Raghavalu Thirumalai, D. P., Løgstrup Andersen, T., Bech, J. I. & Liholt, H. 2016 In : Polymer Composites. 37, 2, p. 627-644
Publication: Research - peer-review › Journal article – Annual report year: 2014

Investigation of the theoretical load alleviation potential using trailing edge flaps controlled by inflow data
Publication: Research - peer-review › Journal article – Annual report year: 2016

Investigation of wake interaction using full-scale lidar measurements and large eddy simulation: Investigation of wake interaction using full-scale lidar measurements and LES
Publication: Research - peer-review › Journal article – Annual report year: 2016

Kawada's Contribution to Induced Velocity by Helical Vortices with Application to Propeller Theory
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Laminated Ti-Al composites: Processing, structure and strength
Publication: Research - peer-review › Journal article – Annual report year: 2016

Large Wind Turbine Rotor Design using an Aero-Elastic / Free-Wake Panel Coupling Code
Publication: Research - peer-review › Conference article – Annual report year: 2016

Latest Developments of Negative Sequence Extensions for Generic RMS Models of Wind Turbines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Latest results from the EU project AVATAR: Aerodynamic modelling of 10 MW wind turbines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

LES tests on airfoil trailing edge serration
Publication: Research - peer-review › Conference article – Annual report year: 2016

Lidar-based maps for flow modeling in complex forested terrain
Dellwik, E. & van der Laan, P. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016
Lidar configurations for wind turbine control
Publication: Research - peer-review › Conference article – Annual report year: 2016

Lidar to lidar calibration
Georgieva Yankova, G. & Courtney, M. 2016 DTU Wind Energy. 37 p. (DTU Wind Energy LC I; No. 088(EN)).
Publication: Research › Report – Annual report year: 2016

Lidar to lidar calibration
Fernandez Garcia, S. & Villanueva, H. 2016 DTU Wind Energy. 35 p. (DTU Wind Energy LC I; No. 099(EN)).
Publication: Research › Report – Annual report year: 2016

Lidar to lidar calibration
Publication: Research › Report – Annual report year: 2017

Lidar to lidar calibration of Ground-based Lidar
Publication: Research › Report – Annual report year: 2017

Load Measurements
Kock, C. W. & Federici, P. 2016 DTU Wind Energy. 398 p. (DTU Wind Energy WTT I; No. 1143(EN)).
Publication: Research › Report – Annual report year: 2016

Load Measurements
Vesth, A. & Kock, C. W. 2016 DTU Wind Energy. 366 p. (DTU Wind Energy WTT I; No. 1162(EN)).
Publication: Research › Report – Annual report year: 2016

Load Measurements
Kock, C. W. & Federici, P. 2016 DTU Wind Energy. 344 p. (DTU Wind Energy WTT I; No. 1171(EN)).
Publication: Research › Report – Annual report year: 2016

Long-Range WindScanner System
Publication: Research - peer-review › Journal article – Annual report year: 2017

Long-term research challenges in wind energy – a research agenda by the European Academy of Wind Energy
van Kuik, G. A. M., Peinke, J., Nijssen, R., Lekou, D. J., Mann, J., Sørensen, J. N., Ferreira, C., van Wingerden, J. W.,
Schlif, D., Gebraad, P., Polinder, H., Abhamsen, A. B., van Bussel, G. J. W., Dalsgaard Sørensen, J., Tavner, P.,
Bottasso, C. L., Muskuilus, M., Matha, D., Lindeboom, H. J., Degraer, S., Kramer, O., Lehnhoff, S., Sonnenschein, M.,
Publication: Research - peer-review › Journal article – Annual report year: 2016

Making space for wind farms: Practices of territorial stigmatisation in rural Denmark
Rudolph, D. P. & Kirkegaard, J. K. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Mapping Wind Farm Loads and Power Production - A Case Study on Horns Rev 1
Publication: Research - peer-review › Conference article – Annual report year: 2016

MARE-WINT. New Materials and Reliability in Offshore Wind Turbine Technology
Publication: Research › Book – Annual report year: 2016
Nanomorphology of graphene and CNT reinforced polymer and its effect on damage: Micromechanical numerical study
Pontefisso, A. & Mishnaevsky, L. 2016 In : Composites Part B: Engineering. 96, p. 338-349
Publication: Research - peer-review › Journal article – Annual report year: 2016

Natural fibre selection for composite eco-design
Publication: Research - peer-review › Journal article – Annual report year: 2016

New direct drive technologies of INNWIND.EU: Superconducting vs. Pseudo Direct Drive
Abrahamsen, A. B. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Noise model for serrated trailing edges compared to wind tunnel measurements
Publication: Research - peer-review › Conference article – Annual report year: 2016

Non-linear ultimate strength and stability limit state analysis of a wind turbine blade
Publication: Research - peer-review › Journal article – Annual report year: 2015

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

Nucleation of recrystallization at selected sites in deformed fcc metals
Publication: Research › Ph.D. thesis – Annual report year: 2017

Numerical study of Wavy Blade Section for Wind Turbines
Kobaek, C. M. & Hansen, M. O. L. 2016 In : Journal of Physics: Conference Series (Online). 753, 6 p., 022039
Publication: Research - peer-review › Conference article – Annual report year: 2016

Numerical study on aerodynamic damping of floating vertical axis wind turbines
Publication: Research - peer-review › Conference article – Annual report year: 2016

OC5 Project Phase Ib: Validation of Hydrodynamic Loading on a Fixed, Flexible Cylinder for Offshore Wind Applications
Publication: Research - peer-review › Conference article – Annual report year: 2016

OffshoreDC DC grids for integration of large scale wind power
Publication: Research › Report – Annual report year: 2016

Offshore wind power in the Aegean Sea
Publication: Research - peer-review › Poster – Annual report year: 2016
On Displacement Height, from Classical to Practical Formulation: Stress, Turbulent Transport and Vorticity Considerations
Publication: Research - peer-review › Journal article – Annual report year: 2015

On the aero-elastic design of the DTU 10MW wind turbine blade for the LIFES50+ wind tunnel scale model
Publication: Research - peer-review › Conference article – Annual report year: 2016

On the application of the Jensen wake model using a turbulence-dependent wake decay coefficient: the Sexbierum case
Publication: Research - peer-review › Journal article – Annual report year: 2015

On the peculiar structure of a helical wake vortex behind an inclined prolate spheroid
Publication: Research - peer-review › Journal article – Annual report year: 2016

On the relative importance of loads acting on a floating vertical axis wind turbine system when evaluating the global system response
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

On the relative importance of loads acting on a floating verticalaxis wind turbine system when evaluating the global system response
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

On the Space-Time Structure of Sheared Turbulence
de Mare, M. T. & Mann, J. 2016 In : Boundary-layer Meteorology. 160, 3, p. 453–474
Publication: Research - peer-review › Journal article – Annual report year: 2016

Open access wind tunnel measurements of a downwind free yawing wind turbine
Publication: Research - peer-review › Conference article – Annual report year: 2016

Open Access Wind Tunnel Measurements of a Downwind Free Yawing Wind Turbine
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Optical Diagnostics of a Gliding Arc Discharge at Atmospheric Pressure
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Optimization of pile design for offshore wind turbine jacket foundations
Sandal, K. & Zania, V. 2016
Publication: Research › Paper – Annual report year: 2016

Optimization under uncertainty of site-specific turbine configurations
Publication: Research - peer-review › Conference article – Annual report year: 2016
Overplanting in offshore wind power plants in different regulatory regimes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Oxide dispersion-strengthened steel PM2000 after dynamic plastic deformation: nanostructure and annealing behaviour
Publication: Research - peer-review › Journal article – Annual report year: 2016

Perdigão CFD Grid Study
Publication: Research › Report – Annual report year: 2016

Performance and wake conditions of a rotor located in the wake of an obstacle
Publication: Research - peer-review › Conference article – Annual report year: 2016

Perspectives on Materials Science in 3D
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Phase Angle Calculation Dynamics of Type 4 Wind Turbines in RMS Simulations during Severe Voltage Dips.
Publication: Research - peer-review › Journal article – Annual report year: 2016

Physical model tests for floating wind turbines

PI controller design of a wind turbine: evaluation of the pole-placement method and tuning using constrained optimization
Publication: Research - peer-review › Conference article – Annual report year: 2016

Possible Improvements for Present Wind Farm Models Used in Optimal Wind Farm Controllers
Kazda, J., Göçmen, T., Giebel, G. & Cutululis, N. A. 2016
Publication: Research - peer-review › Paper – Annual report year: 2016

Possible Power Estimation of Down-Regulated Offshore Wind Power Plants.
Publication: Research › Ph.D. thesis – Annual report year: 2016

Power Curve Measurements
Gómez Arranz, P. & Villanueva, H. 2016 DTU Wind Energy. 88 p. (DTU Wind Energy WTT I; No. 1136(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Kock, C. W. & Federici, P. 2016 DTU Wind Energy. 66 p. (DTU Wind Energy WTT I; No. 1140(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Federici, P. & Vesth, A. 2016 DTU Wind Energy. 62 p. (DTU Wind Energy WTT I; No. 1142(EN)).
Power Curve Measurements
Gómez Arranz, P. & Georgieva Yankova, G. 2016 DTU Wind Energy. 89 p. (DTU Wind Energy WTT I; No. 1144(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Federici, P. & Kock, C. W. 2016 DTU Wind Energy. 77 p. (DTU Wind Energy WTT I; No. 1149(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Gómez Arranz, P. & Villanueva, H. 2016 DTU Wind Energy. 97 p. (DTU Wind Energy WTT I; No. 1152(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Kock, C. W. & Federici, P. 2016 DTU Wind Energy. 66 p. (DTU Wind Energy WTT I; No. 1154(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Villanueva, H. & Federici, P. 2016 DTU Wind Energy. 50 p. (DTU Wind Energy WTT I; No. 1159(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Villanueva, H. & Vesth, A. 2016 DTU Wind Energy. 78 p. (DTU Wind Energy WTT I; No. 1160(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Villanueva, H. & Vesth, A. 2016 DTU Wind Energy. 67 p. (DTU Wind Energy WTT I; No. 1168(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Kock, C. W. & Federici, P. 2016 DTU Wind Energy. 89 p. (DTU Wind Energy WTT I; No. 1172(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements
Vesth, A. & Villanueva, H. 2016 DTU Wind Energy. 51 p. (DTU Wind Energy WTT I; No. 1174(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements FGW
Gómez Arranz, P. & Villanueva, H. 2016 DTU Wind Energy. 68 p. (DTU Wind Energy WTT I; No. 1163(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements FGW
Publication: Research › Report – Annual report year: 2017

Power Curve Measurements, quantify the production increase
Gómez Arranz, P. & Vesth, A. 2016 DTU Wind Energy. 38 p. (DTU Wind Energy WTT I; No. 1150(EN)).
Publication: Research › Report – Annual report year: 2016

Power Curve Measurements REWS
Gómez Arranz, P. & Vesth, A. 2016 DTU Wind Energy. 107 p. (DTU Wind Energy WTT I; No. 1137(EN)).
Publication: Research › Report – Annual report year: 2016
Probabilistic stability and "tall" wind profiles: theory and method for use in wind resource assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Probing NWP model deficiencies by statistical postprocessing
Publication: Research - peer-review › Journal article – Annual report year: 2015

Provision of enhanced ancillary services from wind power plants - Examples and challenges
Publication: Research - peer-review › Journal article – Annual report year: 2016

Quantitative Characterization of Boundary Roughness in Metals
Publication: Research › Ph.D. thesis – Annual report year: 2017

Quarter-Century Offshore Winds from SSM/I and WRF in the North Sea and South China Sea
Publication: Research - peer-review › Journal article – Annual report year: 2016

Real time turbulence and wind gust estimation from wind lidar observations using the turbulence reconstruction method
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Recovery Kinetics in Commercial Purity Aluminum Deformed to Ultrahigh Strain: Model and Experiment
Publication: Research - peer-review › Journal article – Annual report year: 2016

Recycling of shredded composites from wind turbine blades in new thermoset polymer composites
Publication: Research - peer-review › Journal article – Annual report year: 2016

Reduced design load basis for ultimate blade loads estimation in multidisciplinary design optimization frameworks
Publication: Research - peer-review › Conference article – Annual report year: 2016

Reduction of fatigue loads on jacket substructure through blade design optimization for multimegawatt wind turbines at 50 m water depths
Publication: Research - peer-review › Conference article – Annual report year: 2016

Releasable Kinetic Energy-Based Inertial Control of a DFIG Wind Power Plant
Publication: Research - peer-review › Journal article – Annual report year: 2016

Remote sensing technologies for measuring offshore wind.
Publication: Research - peer-review › Book chapter – Annual report year: 2016
Scanflow: High-resolution full-scale wind field measurements of the ECN's 2.5 MW aerodynamic research wind turbine using DTU's 3D WindScanner and SpinnerLidar for IRPWind's and EERA's benchmark
Publication: Research › Conference article – Annual report year: 2016

Scanning lidars for atmospheric boundary-layer research
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Sea Surface Temperature Climate Data Record for the North Sea and Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2016

Simulation of electricity generation by marine current turbines at Istanbul Bosphorus Strait
Publication: Research - peer-review › Journal article – Annual report year: 2016

Simulations of the Flow past a Cylinder Using an Unsteady Double Wake Model
Publication: Research - peer-review › Conference article – Annual report year: 2016

Simulations of wind turbine rotor with vortex generators
Sørensen, N. N., Zahle, F. & Sørensen, N. N. 2016 In : Journal of Physics: Conference Series (Online). 753, 10 p., 022057
Publication: Research - peer-review › Conference article – Annual report year: 2016

Site assessment
Villanueva, H. & Gómez Arranz, P. 2016 DTU Wind Energy. 23 p. (DTU Wind Energy WTT I; No. 1151(EN)).
Publication: Research › Report – Annual report year: 2016

Site calibration
Gómez Arranz, P. & Villanueva, H. 2016 DTU Wind Energy. 118 p. (DTU Wind Energy WTT I; No. 1176(EN)).
Publication: Research › Report – Annual report year: 2016

Sizing and control of trailing edge flaps on a smart rotor for maximum power generation in low fatigue wind regimes:
Control of trailing edge flaps on a smart rotor for maximum power generation
Publication: Research - peer-review › Journal article – Annual report year: 2015

SmallWind - Market Analysis and prospects
Publication: Research - peer-review › Report – Annual report year: 2016
Social contention in Denmark over alternative wind power development paths
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Socio-economic Impacts—Offshore Activities/Energy
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Spatio-temporal analysis of regional PV generation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Special Section on HVDC Systems for Large Offshore Wind Power Plants
Publication: Research - peer-review › Editorial – Annual report year: 2016

Spectral broadening of acoustic tones generated by unmanned aerial vehicles in a turbulent atmosphere
Publication: Research - peer-review › Journal article – Annual report year: 2016

Statistics of LES simulations of large wind farms
Publication: Research - peer-review › Conference article – Annual report year: 2016

Steady State Comparisons HAWC2 v12.2 vs HAWCStab2 v2.12
Publication: Research - peer-review › Report – Annual report year: 2016

Stochastic dynamic response analysis of a floating vertical-axis wind turbine with a semi-submersible floater: Analysis of a floating vertical-axis wind turbine
Wang, K., Moan, T. & Hansen, M. O. L. 2016 In : Wind Energy. 19, 10, p. 1853–1870
Publication: Research - peer-review › Journal article – Annual report year: 2016

Stress and strain gradient in the deformed metallic surface
Zhang, X. 2016
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2016

Strong and light-weight materials made of reinforced honeycomb sandwich structures
Mikkelsen, L. P. & Madsen, B. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Strong winds and waves offshore
Publication: Research - peer-review › Report – Annual report year: 2017

Structural health monitoring tools for late and end of life management of offshore wind turbines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Structures and Strength of Gradient Nanostructures
Hansen, N., Zhang, X. & Huang, X. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Study on offshore wind farm wakes based on Envisat ASAR, Radarsat-2 and Sentinel-1
Publication: Research - peer-review › Paper – Annual report year: 2016

Subcomponent testing of trailing edge panels in wind turbine blades
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Support of Wind Resource Modeling Using Earth Observation—A European Perspective on the Status and Future Options
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Swell impact on wind stress and atmospheric mixing in a regional coupled atmosphere-wave model
Publication: Research - peer-review › Journal article – Annual report year: 2016

Synthetic Aperture Radar for wind energy applications: potential and challenges at high wind speeds
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

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

Testing of self-similarity and helical symmetry in vortex generator flow simulations
Publication: Research - peer-review › Journal article – Annual report year: 2015

The application of J integral to measure cohesive laws under large-scale yielding
Publication: Research - peer-review › Journal article – Annual report year: 2016

The collection of the main issues for wind farm optimisation in complex terrain
Publication: Research - peer-review › Conference article – Annual report year: 2016

The fence experiment - a first evaluation of shelter models
Publication: Research - peer-review › Conference article – Annual report year: 2016

Projects:

Advanced Wind Turbine Converter Control in HVDC-Connected Wind Power Plants
Arasteh, A., Cutululis, N. A. & Göksu, Ö.
15/05/2018 → 14/05/2021
**Improved Diurnal Variability of Ocean Surface Temperature through Community Modelling**  
Karagali, I.  
16/04/2018 → 31/03/2020

**Tendering sustainable energy transitions**  
01/04/2018 → 30/09/2020

**Verification of Structural Properties for Bend-Twist Coupled Wind Turbine Blades**  
Tiedemann, M. M., Branner, K., Bode, J. & Chen, X.  
01/03/2018 → 28/02/2021

**RECAST: Reduced Assessment Time**  
01/02/2018 → 01/03/2020

**Blackstart and Islanding Capabilities of Wind Turbines**  
Jain, A., Cutululis, N. A., Das, K. & Göksu, Ö.  
01/02/2018 → 31/01/2021

**Wind power system support in future distribution networks**  
15/01/2018 → 14/01/2021

**Superconducting thin-film neutron detector**  
Wulff, A. C., Bertelsen, J. L., Abrahamsen, A. B. & Kuhn, L. T.  
02/01/2018 → 20/06/2018

**Wind Atlas for South Africa (Phase 3)**  
Hansen, J. C., Mortensen, N. G., Hahmann, A. N. & Larsén, X. G.  
01/01/2018 → 31/12/2020

**New Satellite Products for Wind Energy**  
Karagali, I., Maule, P., Badger, M., Hasager, C. B. & Dellwik, E.  
01/01/2018 → 21/12/2018

**Determination of Remaining Life of Operational Wind Turbines**  
Conti, D., Natarajan, A. & Dimitrov, N. K.  
01/01/2018 → 31/12/2020

**Fluid Structure Interaction for Wind Turbines in Atmospheric Flow**  
Grinderslev, C., Sørensen, N. N., Horcas, S. G. & Hansen, A. M.  
01/01/2018 → 31/12/2020
Smart Tip
Barlas, A.
01/12/2017 → 30/11/2020

Large scale atmospheric structures in space-time over flat terrain
15/11/2017 → 14/11/2020

Villum Center for Advanced Structural and Material Testing
07/11/2017 → ...

Fatigue behaviour of polymer matrix at the microstructural scale
Bangaru, A. K., Sørensen, B. F., Legarth, B. N., Michel, A. & Mikkelsen, L. P.
01/11/2017 → 31/10/2020

Rain climate and erosion of wind turbine blades
Tilg, A., Hasager, C. B. & Veien, F.
15/10/2017 → 14/10/2020

Characterization of wind turbine siting parameters in complex terrain using remote sensing
De Azevedo Santos, P. A., Mann, J. & Vasiljevic, N.
01/10/2017 → 30/09/2020

Performance optimization of wind farms using model-based data analysis
Schroeder, L., Dimitrov, N. K., Mirzaei, M., Sørensen, J. A. & Verelst, D. R.
01/10/2017 → 30/09/2020

New industrial paradigm for design of wind turbine blades - tip and root optimization for increasing power performance
Bak, C. & Zahle, F.
15/09/2017 → 14/09/2020

Advanced meteorological modeling across scales
Imberger, M., Larsen, X. G. & Davis, N.
15/09/2017 → 14/09/2020

High Reynolds Number Rotor Aerodynamics and Design
Kiefer, J., Hansen, M. O. L., Bak, C. & Hultmark, M.
Supporting sustainable mini-grid development and local production of wind turbines using the case of Kenya
Nygaard, I., Hansen, U. E., Cronin, T., Nørgaard, J. & Hansen, J. C.
01/09/2017 → 01/09/2022
Project

Design and optimization of electrical infrastructures in offshore wind power clusters
Pérez-Rúa, J., Cutululis, N. A., Das, K. & Sørensen, P. E.
15/05/2017 → 14/05/2020
Project

Large scale offshore wake impact on the Danish power system
01/05/2017 → 30/04/2020
Project

Innovation for Global Wind Energy Exploitation on Land using Satellites
01/04/2017 → 31/03/2020
Project

An experimental assessment of how trees affect the wind field
Angelou, N., Dellwik, E. & Mann, J.
01/04/2017 → 31/03/2020
Project: PhD

Wind Farm Control Trials
Simon, E., Hasager, C. B., Giebel, G., Kazda, J., Cutululis, N. A. & Courtney, M.
01/03/2017 → 31/12/2020
Project

Advanced Accurate and Computationally Efficient Numerical Methods for Wind Turbine Rotor Blade Design
Bertolini, P., Stolpe, M., Eder, M. A. & Lindby, T.
15/02/2017 → 14/02/2020
Project: PhD

Aero-acoustic wind tunnel tests
Lylloff, O. A., Fischer, A., Bak, C. & Fernandez Grande, E.
01/02/2017 → 31/01/2020
Project: PhD

Marine Renewable Infrastructure Network for Enhancing Technologies 2
Sempreviva, A. M.
01/01/2017 → 31/12/2020
Project

MARINET2
01/01/2017 → 30/06/2021
Project
Satellite Wind and Wave Atlas
Karagali, I., Maule, P., Davis, N., Volker, P., Hasager, C. B. & Badger, M.
01/01/2017 → 22/12/2017
Project

Wind turbine dynamics
Gözczů, O., Stolpe, M. & Hansen, A. M.
01/01/2017 → 31/12/2019
Project: PhD

Conceptual research of a multi megawatt downwind turbine
15/12/2016 → 14/12/2019
Project: PhD

Modelling of renewable energy under stressed power system stability conditions
Sarkar, M., Sørensen, P. E., Altin, M., Hansen, A. D. & Jóhannsson, H.
15/11/2016 → 14/11/2019
Project: PhD

Vind i ROSkilde
Abrahamsen, A. B., Dellwik, E., Kock, C. W., Clausen, N., Kjær, T., Sander, M. & Hermansen, S.
01/11/2016 → 31/01/2018
Project

Ground clearance and power performance v2
van der Laan, P.
01/11/2016 → 17/03/2017
Project

Copernicus Evolution and Applications with Sentinel Enhancements and Land Effluents for Shores and Seas
01/11/2016 → 31/10/2019
Project

Transition Modeling for Wind Turbine Rotors/TRMOD
Özçakmak, Ö. S., Sørensen, N. N., Aagaard Madsen, H. & Sørensen, J. N.
01/11/2016 → 31/10/2019
Project: PhD

Lindebjergskolens CO2 fodaftryk
Abrahamsen, A. B., Thingstrup, T. & Christensen, A.
01/10/2016 → 01/08/2017
Project

Control and stability of meshed offshore grids with diode rectifiers and VSC HVDC
Bidadfar, A., Sørensen, P. E., Akhmatov, V., Altin, M. & Cutululis, N. A.
01/10/2016 → 30/09/2019
Project: PhD

Doppler lidar scanning of flow over complex terrain
Menke, R., Mann, J. & Vasiljevic, N.
01/10/2016 → 01/12/2019
Project: PhD
High Fidelity CFD-based Shape Optimization of Wind Turbine Blades
Madsen, M. H. A., Zahle, F., Andersen, S. J. & Sørensen, N. N.
15/09/2016 → 14/09/2019
Project: PhD

Control and operation of offshore wind power plants connected via HVDC
Saborío-Romano, O., Cutululis, N. A., Göksu, Ö., Sørensen, P. E. & Zeni, L.
01/09/2016 → 31/08/2019
Project: PhD

Nationwide accurate wind prospecting models for Denmark & Turkey
Bechmann, A.
01/07/2016 → 01/06/2018
Project

Process Parameters and Fatigue Properties of High Modulus Composites
Mortensen, U. A., Mikkelsen, L. P., Legstrup Andersen, T. & Hansen, B. M.
01/05/2016 → 30/04/2019
Project: PhD

Offentlig accept af VE teknologier (public acceptance of RE Technologies)
Clausen, N. & Rudolph, D. P.
01/04/2016 → 31/12/2017
Project

NSON-DK - North Sea Offshore Network - Denmark
Sørensen, P. E., Das, K., Koivisto, M. J., Pade, L. & Skytte, K.
01/04/2016 → 31/03/2020
Project

Security Assessment of Renewable Power Systems
Jóhannsson, H., Sørensen, P. E., Karatas, B. C., Sarkar, M. & Jørgensen, C. H. L.
01/04/2016 → 31/03/2020
Project

Integrated Baltic offshore wind electricity grid development
Pade, L., Bergaentzlé, C., Boscán Flores, L. R., Cutululis, N. A. & Das, K.
01/03/2016 → 30/09/2019
Project

The use of wind power capabilities to improve the operation of the distribution network
Hansen, A. D., Thybo, G. W., Sørensen, P. E., Das, K. & Altin, M.
01/03/2016 → 01/10/2018
Project

Bio4Self
Beauson, J., Mikkelsen, L. P., Madsen, B., Christensen, J. & Mishnaevsky, L.
01/03/2016 → ...
Project

PROMOTiOn - PROgress on Meshed HVDC Offshore Transmission Networks
Cutululis, N. A., Sørensen, P. E., Göksu, O., Altin, M., Saborío-Romano, O. & Bidadfar, A.
01/01/2016 → 31/12/2019
Project
Lidar detection of wakes for wind turbine and farm control
Held, D. P., Mann, J., Hu, Q. & Mirzaei, M.
01/01/2016 → 31/12/2018
Project: PhD

Microstructure and Fatigue Properties of Railway Steels for Switches and Crossings
Dhar, S., Danielsen, H. K. & Juul Jensen, D.
15/12/2015 → 14/12/2018
Project: PhD

Multi-objective wind farm control
Kazda, J., Cutululis, N. A. & Courtney, M.
15/12/2015 → 14/12/2018
Project: PhD

Wave Load Response on Offshore Wind Turbine Structures
Wang, S., Larsen, T. J., Bredmose, H. & Kim, T.
15/12/2015 → 14/12/2018
Project: PhD

Experimental and modelling study of the composite piltrusion process for manufacturing of pre-fabricated elements for wind turbine blades
Miranda Maduro, M. A., Madsen, B., Almdal, K. & Løgstrup Andersen, T.
01/12/2015 → 30/11/2018
Project: PhD

Development of an Applied Measurement System for Short Term Power Forecasting and Gust/Ramp Prediction
Simon, E., Courtney, M. & Cutululis, N. A.
15/11/2015 → 14/11/2018
Project: PhD

Advanced CFD computation of breaking wave loads on offshore wind turbine structures
Ghadirian, A. & Bredmose, H.
01/11/2015 → 31/10/2018
Project: PhD

Coastal Offshore Winds, Ocean Waves and Current using Remote Sensing
Ahsbahs, T. T., Badger, M., Karagali, I., Kim, S. Y. & Larsén, X. G.
01/11/2015 → 01/12/2018
Project: PhD

Flex4RES - Flexible Nordic Energy Systems
01/10/2015 → 31/05/2019
Project

Optimal Design of Wind Turbine Blades for Additive Manufacturing Techniques
Fernandez Perez, M., Bak, C., Andersen, P. B. & Blasques, J. P. A. A.
01/10/2015 → 30/09/2018
Project: PhD

Quantifying leading edge roughness on wind turbine blades
Kruse, E. K., Bak, C., Bentzen, T. R. & Sørensen, N. N.
01/10/2015 → 31/03/2019
Project: PhD
Cascaded design tools for 10MW offshore wind turbine floaters
Pegalajar Jurado, A. M., Bredmose, H., Borg, M. & Mikkelsen, R. F.
15/09/2015 → 14/09/2018
Project: PhD

Full scale demonstration of an active flap system for wind turbines
Aagaard Madsen, H. & Barlas, A.
01/07/2015 → 30/06/2018
Project

System adequacy and reserve margins with increasing levels of variable generation
Sørensen, P. E., Marinelli, M., Litong-Palima, M. & Hahmann, A. N.
01/07/2015 → 31/08/2016
Project

Cost-effective strategies for Wind farm O&M
Colone, L., Natarajan, A. & Dimitrov, N. K.
01/07/2015 → 30/09/2018
Project: PhD

New European Wind Atlas
01/04/2015 → 31/03/2020
Project

Intelligent Quality Assessment of Railway Switches and Crossings
01/03/2015 → 28/02/2019
Project

Intelligent Quality Assessment of Railway Switches and Crossings (INTELLISWITCH)
Thyregod, C., Erbsøll, B. K. & Juul Jensen, D.
01/03/2015 → 31/12/2019
Project

Reducing uncertainty of near-shore wind resource estimates using onshore lidars
01/02/2015 → 30/09/2016
Project

Inflow Characterization based on Remote Sensing using Pitot Tubes
01/02/2015 → 08/06/2018
Project: PhD

Advancing Materials
Weldeyesus, A. G.
14/01/2015 → …
Project
Ancillary services from renewable power plants
Hansen, A. D.
01/01/2015 → 31/12/2017
Project

Fatigue strength of composite wind turbine blade structures
01/01/2015 → 08/06/2018
Project: PhD

More accurate mesoscale to microscale downscaling for determining wind conditions at complicated sites
Olsen, B. T., Badger, J., Cavar, D., Hahmann, A. N., Mann, J., Sørensen, N. N., Lundquist, J. K. & Wilson, C.
15/12/2014 → 16/06/2018
Project: PhD

Measuring Turbulence using Commercial Wind Lidars
Sathe, A. & Vignaroli, A.
21/11/2014 → 11/11/2015
Project

Impact of wind power uncertainty on electric power system reliability
Nuño Martínez, E., Cutululis, N. A., Sørensen, P. E., Giebel, G., Kariniotakis, G. & van Hertem, D.
15/11/2014 → 14/11/2017
Project: PhD

Probabilistic Design of Wind Turbines Structures
NJOMO WANDJI, W., Natarajan, A., Buhl, T., Dimitrov, N. K., Bredmose, H., Bhattacharya, S. & Muskulus, M.
15/11/2014 → 16/04/2018
Project: PhD

Development of an advanced noise propagation model for noise optimization in wind farm
01/11/2014 → 06/03/2018
Project: PhD

Fracture mechanics approach to probabilistic inspection planning of offshore foundation structures for wind turbines
01/11/2014 → 08/06/2018
Project: PhD

Improved testing methods for fibre composites used in wind turbine blades
Kristiansen, M. F., Mikkelsen, L. P. & Brøndsted, P.
01/11/2014 → 31/08/2015
Project: PhD

Modeling of Wind Turbine Inflow
Meyer Forsting, A., Trolldborg, N., Réthoré, P. & Bechmann, A.
01/09/2014 → 31/08/2017
Project

Adhesive Joints in Wind Turbine Blades
Jørgensen, J. B., Sørensen, B. F., Kildegaard, C., Mikkelsen, L. P., Caro, A. B. & Jensen, H. M.
01/09/2014 → 06/03/2018
Project: PhD
Scholarship associated with DSF project UniTTe
01/09/2014 → 07/12/2017
Project: PhD

Controversies on wind power Wind2050
Borch, K., Nyborg, S. & Klinge Jacobsen, H.
14/08/2014 → 14/08/2017
Project

Cost-Effective mass production of Universal Foundations for large offshore wind park
Weldeyesus, A. G.
09/08/2014 → …
Project

Design Optimization of Jacket Structures for Mass Production
Sandal, K.
01/08/2014 → …
Project

Design Optimization of Jacket Structures for Mass Production
Sandal, K., Stolpe, M., Bredmose, H., Pedersen, N. L., Duysinx, P. & Rolfes, R.
01/08/2014 → 02/11/2017
Project: PhD

Dynamic Response Optimal Design of Jacket Structures under Many Loads
Courtney, W. T., Stolpe, M. & Natarajan, A.
01/08/2014 → 30/11/2014
Project: PhD

Using nacelle-mounted lidars in wind turbine power and load measurements
Borraccino, A., Courtney, M., Wagner, R., Hansen, K. S., Clifton, A. J. & Gottschall, J.
01/06/2014 → 21/09/2017
Project: PhD

Coupling atmospheric and wave models for storm conditions
15/04/2014 → 07/09/2017
Project: PhD

Fatigue damage evolution in fibre composites for wind turbine blades
15/04/2014 → 07/09/2017
Project: PhD

Wind Farm Layout Optimization in Complex Terrain
01/04/2014 → 31/12/2017
Project

Tree-code algorithm for large scale vortex method simulation
Branlard, E. S. P., Gaunaa, M. & Mercier, P.
01/04/2014 → 01/10/2014
Project
Probabilistic wind characterization and wind turbine design
Hannesdóttir, Á., Kelly, M. C., Natarajan, A. & Mann, J.
01/04/2014 → 28/10/2018
Project: PhD

Wind Atlas for South Africa (Phase 2)
01/04/2014 → 31/12/2018
Project

Coordinated control of wind power plants in offshore HVDC grids
Sakamuri, J. N., Cutululis, N. A., Hansen, A. D., Sørensen, P. E., Nielsen, A. H., Liang, J. & Uhlen, K.
15/03/2014 → 06/03/2018
Project: PhD

Integrated Research Programme in Wind Energy
Sempreviva, A. M.
01/03/2014 → 28/02/2018
Project

WasP e-learning courses
Mortensen, N. G., Rathmann, O. S., Nielsen, M., Kelly, M. C., Gryning, S., Troen, I., Lundtang Petersen, E., Peña, A., Hansen, B. O. & Larsen, S. E.
10/02/2014 → 31/12/2018
Project

Alliance for Imaging and Modelling of Energy Applications
01/01/2014 → 31/12/2018
Project

ABYSS: Advancing BeYond Shallow waterS - Optimal design of offshore wind turbine support structures
Stolpe, M., Buhl, T., Bredmose, H., Zania, V., Natarajan, A., Schløer, S. & Sørensen, J. D.
01/01/2014 → 31/12/2017
Project

Unified testing procedures for wind turbines through inflow characterisation using nacelle lidars
01/01/2014 → 31/12/2017
Project

Nucleation of recrystallization at selected sites in deformed fcc metals
Xu, C., Juul Jensen, D., Wu, G., Zhang, Y., Huang, X., Quey, R. & Zhang, H.
01/01/2014 → 20/04/2017
Project: PhD

Light Weight Rotor Design - Combined passive and active control methods
Pavese, C., Kim, T., Henriksen, L. C., Larsen, T. J., Bak, C., Kallesøe, B. S. & Palacios, R.
15/12/2013 → 20/04/2017
Project: PhD
Uncertainty Quantification of Wind Farm Flow Models
15/12/2013 → 23/03/2017
Project: PhD

Parallelization of vortex methods
Branlard, E. S. P. & Sørensen, H. H. B.
01/12/2013 → 01/04/2015
Project

Modeling of low frequency noise from wind turbines
Debertshäuser, H., Shen, W. Z., Sørensen, J. N., Zhu, W. J., Bertagnolio, F., Cotté, B. & Kaltenbach, H.
01/12/2013 → 31/05/2017
Project: PhD

Noise propagation and optimization from wind turbines in wind farm
Menicocci, S., Zhu, W. J., Shen, W. Z. & Sørensen, J. N.
01/12/2013 → 31/08/2014
Project: PhD

European Clusters for Offshore Wind Servicing
Piirainen, K. A., Andersen, P. D., Clausen, N., Buhl, T. & Cronin, T.
01/11/2013 → 31/10/2015
Project

Design of Large wind turbines using fluid-structure coupling technique
Sessarego, M., Shen, W. Z., Ramos García, N., Sørensen, J. N., Aagaard Madsen, H., Madsen, J. & Schepers, G.
01/11/2013 → 16/02/2017
Project: PhD

Development of Large Eddy Simulation Tools for Simulation of Atmospheric Boundary Layers in Wind Farms
Dag, K. O., Sørensen, J. N., Shen, W. Z., Sørensen, N. N., Berg, J., Churchfield, M. J. & Meyers, J.
01/11/2013 → 07/12/2017
Project: PhD

Cost-Effective mass production of Universal Foundations for large offshore wind park
Buhl, T. & Stolpe, M.
01/10/2013 → 30/09/2016
Project

Performance Measurements with the use of Spinner Anemometry
Demurtas, G., Fris Pedersen, T., Mouritsen, S., Wagner, R., Hansen, K. S., Eecen, P. J. & Gottschall, J.
01/10/2013 → 25/11/2016
Project: PhD

GARPUR - Generally Accepted Reliability Principle with Uncertainty modelling and through probabilistic Risk assessment
Cutululis, N. A. & Sørensen, P. E.
01/09/2013 → 31/08/2017
Project

Windtrust
Bak, C., Fischer, A. & Bertagnolio, F.
01/09/2013 → 31/08/2016
Project
Statistical characterization of metal microstructures
01/09/2013 → 09/12/2016
Project: PhD

Blade Dragon 2.0
Gaunaa, M., Bergami, L., Hansen, A. M., Zahle, F., Hansen, A. D. & Barlas, A.
01/07/2013 → 30/08/2016
Project

Extreme winds and waves for offshore turbines - Coupling atmosphere and wave modeling for design and operation in coastal zones
Larsén, X. G., Du, J., Badger, J., Imberger, M., Karagali, I., Badger, M., Kelly, M. C., Hahmann, A. N. & Larsen, S. E.
01/07/2013 → 31/10/2017
Project

New optimal design tools for future wind turbine blades
Blasques, J. P. A. A.
01/06/2013 → 31/05/2015
Project

Optimal design of adaptive wind turbine blades
15/05/2013 → 16/02/2017
Project: PhD

Mechanical properties of stone wool products after chemical and mechanical ageing
Chapelle, L., Brøndsted, P., Kusano, Y., Larsen, D., Madsen, B., Gamstedt, K. & Neagu, C.
01/05/2013 → 30/09/2016
Project: PhD

Multi-terminal DC grid for offshore wind
Cutululis, N. A.
01/05/2013 → 31/03/2017
Project

Integration of wind power and other renewables in power system defence plans
01/04/2013 → 04/07/2016
Project: PhD

Reliabilities of composite materials for wind turbine blades
Pereira, G. F., Mikkelsen, L. P., McGugan, M., Sørensen, B. F., Legarth, B. N., Güemes, A. & Ogin, S. L.
01/04/2013 → 04/07/2016
Project: PhD

PhD scholarship in Turbulent Atmospheric Flow with Relevance for Wind Energy
01/03/2013 → 29/09/2016
Project: PhD

ESA ResGrow
Hasager, C. B., Astrup, P., Badger, M., Giebel, G. & Hahmann, A. N.
07/02/2013 → 30/09/2015
Project
Sino-Danish project: ORES: Study on offshore wind resource assessment based on satellite data and modelling
Hasager, C. B., Badger, M., Astrup, P. & Larsén, X. G.
01/02/2013 → 31/12/2014
Project

Sea Surface Temperature Diurnal Variability: Regional Extent - Implications in Atmospheric Modelling
Karagali, I. & Hasager, C. B.
15/01/2013 → 15/01/2015
Project

Standardiserede Power Packs til forbedret aerodynamik i vindmøller - PowerPack
Bak, C., Gaunaa, M. & Zahle, F.
01/01/2013 → 31/12/2015
Project

Online WAsP
01/01/2013 → 31/12/2015
Project

Future Technologies for Wind Energy: Blade materials, Turbine reliability, Computation tools, and Experimental methods
Raghavalu Thirumalai, D. P., Sørensen, B. F. & Mishnaevsky, L.
01/01/2013 → 31/12/2013
Project

Power Pack
Bak, C., Gaunaa, M., Skrzypinski, W. R., Zahle, F. & Sørensen, N. N.
01/01/2013 → 31/12/2015
Project

AVATAR
Sørensen, N. N., Aagaard Madsen, H., Zahle, F., Rasmussen, F., Heinz, J. C., Henriksen, L. C., Troldborg, N., Sørensen, J. N. & Barlas, A.
01/01/2013 → 31/10/2017
Project

Possible Power of Downregulated Offshore Wind power plants
Göçmen, T., Giebel, G., Poulsen, N. K., Sørensen, P. E., Sørensen, J. N., Apt, J. & Johansen, K.
15/12/2012 → 07/04/2016
Project: PhD

Innovative wind conversion systems (10-20MW) for offshore applications
Natarajan, A., Jensen, P. H., Buhl, T., Abrahamsen, A. B., Aagaard Madsen, H., Hanis, T., Stolpe, M., Sørensen, J. N. & Barlas, A.
01/11/2012 → 31/10/2017
Project

Pan European Climate Data
Marinelli, M., Cutululis, N. A. & Hahmann, A. N.
01/11/2012 → 31/07/2014
Project

Combinatorial Optimization over Second-Order and Industrial Applications
Friberg, H. A., Stolpe, M., Andersen, K. H., Andersen, E. D., Andersen, M. S., Pataki, G. & Terlaky, T.
01/10/2012 → 04/07/2016
Project: PhD
Mathematical programming methods for large-scale structural topology optimization
Rojas Labanda, S., Stolpe, M., Sigmund, O., Jensen, J. S., Evgrafov, A. & Stingl, M. W.
01/09/2012 → 28/01/2016
Project: PhD

National Wind Tunnel
Bak, C., Fischer, A., Gaunaa, M., Mikkelsen, R. F., Mann, J. & Barlas, A.
15/08/2012 → 31/12/2016
Project

IEA Wind 29 Mexnext-II
Aagaard Madsen, H. & Sørensen, N. N.
01/08/2012 → 31/12/2014
Project

EUDP LEX
Larsen, T. J. & Hansen, A. M.
08/07/2012 → 30/06/2016
Project

Aerodynamic and structural design of wind turbine blades
Hrgovan, I., Shen, W. Z., Berggreen, C. & Sørensen, J. N.
15/06/2012 → 30/09/2016
Project: PhD

Assessment of extreme design loads for modern wind turbines using the probabilistic approach
Abdallah, I., Natarajan, A., Sørensen, J. D., Larsen, G. C., Manuel, L. & Riziotis, V. A.
01/05/2012 → 24/08/2015
Project: PhD

Ultimate strength of wind turbine blade structures under multi axial loading
Haselbach, P. U., Branner, K., Berggreen, C., Bitsche, R., Mikkelsen, L. P., Lindgaard, E. & Trujillo, J.
01/05/2012 → 25/02/2016
Project: PhD

Research and Development of optimal Wind turbine rotors under offshore wind conditions in China
Shen, W. Z., Zhu, W. J., Aagaard Madsen, H. & Sørensen, J. N.
01/04/2012 → 30/06/2017
Project

Optimizing wind energy: Investigation of atmospheric turbulence using lidars
Sathe, A.
01/04/2012 → 31/03/2015
Project

Economic grid support from variable renewables
Cutululis, N. A.
01/04/2012 → 01/10/2014
Project

Wind Turbine Aerodynamics and Aeroelasticity using Vortex Based Methods
Branlard, E. S. P., Gaunaa, M., Sørensen, J. N., Hjort, S. & van Kuik, G. A. M.
01/04/2012 → 22/06/2015
Project: PhD
Electromechanical Drivetrain Simulation
15/03/2012 → 24/08/2015
Project: PhD

Offshore Wind Turbine Foundation Design Loads Mitigation
Jiwinangun, R. G. & Natarajan, A.
15/03/2012 → 15/01/2013
Project: PhD

Experimental Stereo Vision Studies of Flow and Structural Effects on Wind Turbines
Najafi, N., Schmidt Paulsen, U., Sjöholm, M., Mann, J., Georgakis, C. T., Griffith, D. T. & Tcherniak, D.
01/03/2012 → 30/11/2015
Project: PhD

Low-cost semiconductor laser wind sensors
Rodrigo, P. J., Pedersen, C., Dellwik, E., Mann, J. & Sjöholm, M.
01/03/2012 → 28/02/2014
Project

Raghavalu Thirumalai, D. P., Sørensen, B. F. & Mishnaevsky, L.
01/02/2012 → 31/12/2012
Project

Demonstrations of Partial Pitch 2-bladed Wind Turbine
01/01/2012 → 31/12/2014
Project

EUDP Envision PP2B
Kim, T., Larsen, T. J., Yde, A., Zahle, F. & Sørensen, N. N.
01/01/2012 → 31/12/2014
Project

WakesBench
Réthoré, P. & Bechmann, A.
01/01/2012 → 31/12/2014
Project

Poseidon 3
Yde, A., Larsen, T. J. & Verelst, D. R.
01/01/2012 → 31/12/2014
Project

EERA DTOC: European Energy Research Alliance Design Tools for Offshore wind farm Clusters
01/01/2012 → 30/06/2015
Project

EU MERMAID: Innovative Multi-purpose offshore platforms: planning, design and operation
Hasager, C. B., Badger, M., Larsén, X. G. & Bingöl, F.
01/01/2012 → 31/05/2016

**iTesla - Innovative Tools for Electrical System Security within Large Areas**
Sørensen, P. E., Altin, M., Das, K., Hansen, A. D., Göksu, O. & Margaris, I.
01/01/2012 → 31/12/2015

**Micro-Scale Experiments and Models for Composite Materials with Materials Research**
Zike, S., Mikkelsen, L. P., Sørensen, B. F., Tvergaard, V., Legarth, B. N., Jensen, H. M. & Thouless, M.
01/01/2012 → 30/10/2015

**Development of Efficient Turbulence Models for CFD Wake Simulations**
vander Laan, P., Sørensen, N. N., Kelly, M. C., Réthoré, P., Mann, J., Mikkelsen, R. F., Madsen, J. I. & Masson, C.
15/12/2011 → 24/04/2015

**Two-dimensional rotor plane wind data retrieval - HTF Wind Lidar**
Foroughi Abari, F., Mann, J., Sjöholm, M., Courtney, M., Cariou, J. & Water, W. V. D.
15/12/2011 → 24/09/2015

**Wind Power Plant System Services**
Basit, A., Hansen, A. D., Altin, M., Sørensen, P. E., Cutululis, N. A., Chen, Z. & Molina Garcia, A.
15/12/2011 → 19/03/2015

**INDUFLAP**
Aagaard Madsen, H., Bergami, L., Rasmussen, F. & Barlas, A.
01/11/2011 → 30/06/2014

**WAsP CFD**
Bechmann, A., Sørensen, N. N., Réthoré, P., Zahle, F. & Koblitz, T.
01/11/2011 → 31/01/2014

**Aeroservoelastic modeling and stability of wind turbine blades**
Pirrung, G., Aagaard Madsen, H., Kim, T., Hansen, M. O. L., Bussel, G. J. W. V. & Kallesøe, B. S.
01/11/2011 → 23/02/2015

**Concurrent aero-servo-elastic design and optimization of wind turbines**
Tibaldi, C., Bak, C., Henriksen, L. C., Stolpe, M., Riziotis, V. A. & Winther Stærdahl, J.
01/11/2011 → 21/05/2015

**Multiple Turbine Wakes**
01/11/2011 → 24/08/2015

**Flow over complex forested terrain**
15/10/2011 → 24/08/2015
Theoretical analysis, design and virtual testing of biocompatibility and mechanical properties of titanium-based nanomaterials
Mishnaevsky, L. & Liu, H.
01/10/2011 → 31/03/2014

Communication and control in clusters of wind power plants connected to HVDC offshore grids
Zeni, L., Sørensen, P. E., Hansen, A. D., Kjær, P. C., Rasmussen, T. W., Liang, J. & Petersson, A.
01/10/2011 → 22/06/2015

Integrated Wind Power Planning Tool
Rosgaard, M. H., Hahmann, A. N., Madsen, H., Pinson, P., Nissen, J. N. & Wilson, C. G.
01/10/2011 → 24/08/2015

Nanostructuring of oxide dispersion strengthened ferritic steels by plastic deformation
Zhang, Z., Panteleon, W., Mishin, O., Tao, N., Danielsen, H. K., Petrov, R. H. & Sauvage, X.
01/10/2011 → 24/04/2015

Offshore Wind Turbine Foundation Design
01/10/2011 → 22/06/2015

Virtual Campus Hub
01/10/2011 → 30/09/2013

DOE Great Lakes: An integrated approach to offshore wind energy assessment: Great Lakes 3D wind experiment
Hasager, C. B., Karagali, I. & Badger, M.
30/09/2011 → 30/09/2015

Validated loads prediction models for offshore wind turbines for enhanced component reliability
Koukoura, C., Natarajan, A., Branner, K., Hansen, K. S., Bossanyi, E. A. & Ibsen, L. B.
15/09/2011 → 19/12/2014

Enhanced Ancillary Services from Wind Power Plants
Cutululis, N. A., Hansen, A. D. & Altin, M.
01/09/2011 → 31/08/2014

Optimal Design of Composite Structures under Manufacturing Constraints
Marmaras, K., Stolpe, M., Lund, E., Mikkelsen, L. P., Branner, K., Duysinx, P. & Klarbring, A.
01/08/2011 → 05/11/2014
Forecasting Wind Turbine Lcing Conditions
Davis, N., Hahmann, A. N., Clausen, N., Zagar, M., Giebel, G., Andersson, A. & Haupt, S. E.
01/06/2011 → 05/11/2014
Project: PhD

Development of commercially viable wind power system in Nepal
Mishnaevsky, L.
31/05/2011 → 30/06/2013
Project

High reliability of large wind turbines via computational micromechanics based enhancement of materials performances
Mishnaevsky, L. & Dai, G.
01/05/2011 → 31/07/2015
Project

Wind turbine tip-loss corrections
Branlard, E. S. P.
16/04/2011 → 30/09/2011
Project

TURBOPT
Aagaard Madsen, H., Henriksen, L. C., Fischer, A. & Shen, W. Z.
01/04/2011 → 30/06/2014
Project

The impact of non-neutral atmosphere on offshore wind turbines
de Mare, M. T., Mann, J., Larsen, G. C., Veldkamp, D., Berg, J., Bossanyi, E. A. & George, W. K.
15/03/2011 → 24/09/2015
Project: PhD

OffshoreDC - DC grids for integration of large scale wind power
Cutululis, N. A., Sørensen, P. E., Hansen, A. D., Zeni, L., El-Khatib, W. Z. & Holbøll, J.
01/02/2011 → 31/01/2016
Project

Wind Farm
Larsen, G. C., Troldborg, N. & Larsen, T. J.
01/02/2011 → 31/12/2014
Project

Simulation of flows past a wind turbine with wind shear using Navier-Stokes based sliding mesh technique
01/02/2011 → 29/09/2014
Project: PhD

REWIND - Knowledge based engineering for improved reliability of critical wind turbine components
Hattel, J. H., Tvergaard, V., Somers, M. A. J., Fæster, S., Natarajan, A. & Klit, P.
01/01/2011 → 31/12/2016
Project

WTopt
01/01/2011 → 30/06/2014
Project
Development of a carbon neutral luminaire for the urban environment
01/01/2011 → 31/12/2012
Project

Simulation and Modelling of Wakes and Wake Interaction in Offshore Wind Farms
01/01/2011 → 25/08/2014
Project: PhD

Free Material Optimization of Wind Turbine Blades
15/12/2010 → 03/12/2014
Project: PhD

Icing Problems of Wind Turbine Blades in Cold Climates
Hudecz, A., Hansen, M. O. L., Battisti, L., Villumsen, A., Meyer, K. E., Johansen, J. & Oleskiw, M. M.
15/11/2010 → 26/09/2014
Project: PhD

Numerical modelling of the boundary-layer wind profile
Pedersen, J. G., Gryning, S., Kelly, M. Č., Larsen, S. E., Rutgersson, A. & Zagar, M.
15/10/2010 → 21/02/2014
Project: PhD

Light Rotor
Bak, C., Zahle, F., Kim, T., Gaunaa, M., Sørensen, N. N., Hansen, M. H., Bitsche, R. & Blasques, J. P. A. A.
01/10/2010 → 30/09/2013
Project

Future Deep Sea Wind Turbine Technologies
Schmidt Paulsen, U.
01/10/2010 → 30/09/2014
Project

Light Rotor
Bak, C., Zahle, F., Kim, T., Yde, A., Sørensen, N. N., Gaunaa, M. & Skrzypinski, W. R.
01/10/2010 → 31/05/2014
Project

Cost efficient deep water foundation for large offshore wind turbines
Buhl, T.
01/10/2010 → 01/10/2014
Project

PSO Poseidon 2
01/10/2010 → 31/12/2013
Project

 Wake effects of large offshore wind farms - a study of mesoscale atmosphere and ocean feedbacks
Volker, P., Hahmann, A. N., Badger, J., Réthoré, P., Barstad, I. & Gayle Nygaard, N.
01/10/2010 → 28/04/2014
Project: PhD
Aerodynamic modelling
Guntur, S., Serensen, N. N., Hansen, M. O. L., Johansen, J. & Echarri, X. M.
15/09/2010 → 27/01/2014
Project: PhD

Boundary-layer wind profile, measurements and theory
Floors, R. R., Gryning, S., Peña, A., Larsen, S. E., Gulstad, L. & Wilczak, J. M.
15/09/2010 → 27/01/2014
Project: PhD

ICEWIND: Improved forecast of wind, waves and icing
Clausen, N., Hasager, C. B., Hahmann, A. N., Davis, N., Badger, M. & Giebel, G.
01/09/2010 → 28/02/2015
Project:

Nysted 2, Wakes
Larsen, G. C., Pedersen, M. M., Aagaard Madsen, H. & Larsen, T. J.
01/06/2010 → 30/06/2014
Project:

CFD Modelling of non-Neutral ABL Conditions
01/06/2010 → 12/12/2013
Project: PhD

Flow measurements in complex terrain using a 3D LIDAR Windscanner
Vasiljevic, N., Courtney, M., Mann, J., Ejsing Jørgensen, H., Margulis, M. S. & Rankers, A. M.
01/06/2010 → 30/09/2014
Project: PhD

Simulation and prediction of wakes and wake interaction in wind farms
01/06/2010 → 27/01/2014
Project: PhD

Fatigue and extreme wave loads on bottom fixed offshore wind turbines
Schleer, S., Bredmose, H., Mikkelsen, R. F., Aagaard Madsen, H., Krokkstad, J. R. & Manuel, L.
01/05/2010 → 12/12/2013
Project: PhD

Atmospheric turbulence and wind energy
Chougule, A. S., Mann, J., Kelly, M. C., Sørensen, J. N. & Cheng, P. W.
15/04/2010 → 20/09/2013
Project: PhD

The effects of fibre architecture on fatigue life-time of composite materials
15/04/2010 → 30/09/2013
Project: PhD

Danish Centre for Composites Structures and Materials for Wind Turbines
01/04/2010 → 31/03/2017
Project
Transmission system operation with large penetration of Wind and other renewable Electricity sources in Networks by means of innovative Tools and Integrated Energy Solutions
Litong-Palima, M.
01/04/2010 → 30/09/2013
Project

TWENTIES - Transmission system operation with large penetration of Wind and other renewable Electricity sources in Networks by means of innovative Tools and Integrated Energy Solutions
Sørensen, P. E., Cutululis, N. A., Maule, P., Litong-Palima, M. & Altiparmakis, A.
01/04/2010 → 30/09/2013
Project

Design af bæredygtige energisystemer i Grønland
01/04/2010 → 28/04/2016
Project: PhD

Highly flexible wind turbine rotor design
01/04/2010 → 30/09/2013
Project: PhD

Studies of 3D microscale damage evolution in composites materials for wind turbines
Martyniuk, K., Sørensen, B. F., Lauridsen, E. M., Madsen, B., Carballo, F. P. & Gamstedt, K.
01/04/2010 → 27/01/2014
Project: PhD

EU-South Baltic OFF.E.R: South Baltic Offshore Energy Regions
01/03/2010 → 28/02/2013
Project

EU ORECCA: Off-shore Renewable Energy Conversion platforms – Coordination Action
Karagali, I. & Sempreviva, A. M.
01/03/2010 → 31/08/2011
Project

Performance enhancement and load reduction on wind turbines using inflow measurements
Kragh, K. A., Hansen, M. H., Larsen, T. J., Mikkelsen, T. K., Poulsen, N. K., Bossanyi, E. & Riziotis, V. A.
01/03/2010 → 25/06/2013
Project: PhD

Optimization of vortex generators on wind turbine blades
Velte, C. M., Hansen, M. O. L., Okulov, V., Sørensen, N. N. & Fuglsang, P.
01/02/2010 → 31/07/2013
Project

Predicting durability of composite structures during cyclic loading
Wahlgren, S., Sørensen, B. F., Jacobsen, T. K. & Lundsgaard-Larsen, C.
15/01/2010 → 06/10/2015
Project: PhD

DANAERO MW II: Indflydelse af atmosfære- og kolvandsturbulens på MW møllers ydeevne, last og stabilitet
Bak, C., Aagaard Madsen, H., Troldborg, N., Bertagnolio, F. & Sørensen, S. A.
01/01/2010 → 31/12/2012
Project

**SIMBA - Simulation of balancing**
Sørensen, P. E., Cutululis, N. A., Litong-Palima, M. & Maule, P.
01/01/2010 → 31/12/2014

**ComWind (Flowcenter) AED**
Sørensen, N. N., Troldborg, N., Réthoré, P., Bechmann, A., Zahle, F., Larsen, G. C. & Sørensen, J. N.
01/01/2010 → 31/12/2016

**EU MARINA PLATFORM: Marine renewable integrated application platform**
01/01/2010 → 30/06/2014

**Adaptive Trailing Edge Flap, control for enhanced load alleviation**
Bergami, L., Gauenaa, M., Buhl, T., Poulsen, N. K., Mikkelsen, R. F., Bossanyi, E. & Schepers, G.
01/01/2010 → 27/08/2013

**Test Facility for grid connection characteristics of wind power plants - Phase 1**
Sørensen, P. E. & Cronin, T.
01/01/2010 → 30/06/2011

**Yield point phenomenon and formability of nanomets**
Kidmose, J., Huang, X., Winther, G., Mikkelsen, L. P., Nielsen, K. B. & Tsuji, N.
01/01/2010 → 20/06/2014

**Kinetics of coarsening during annealing**
Lin, F., Juul Jensen, D., Panteleon, W., Huang, X., Delannay, L. & Rollett, A. D.
01/12/2009 → 24/04/2013

**Performance of biodegradable polymers used in mechanically loaded implants**
01/12/2009 → 28/10/2013

**Dynamic wake model for load calculations of wind turbines**
Keck, R., Aagaard Madsen, H., Larsen, G. C., Hansen, M. O. L., Madsen, J. I. & Riziotis, V. A.
01/11/2009 → 27/05/2013

**Coupling of a CFD Solver with a Multibody Structural Model Applied to Trailing Edge Flaps**
Heinz, J. C., Sørensen, N. N., Zahle, F., Mikkelsen, R. F., Johansen, J. & Voutsinas, S.
01/10/2009 → 27/08/2013

**Meso-scale modelling with focus on the water vapour profile**
Nielsen, J. R., Dellwik, E., Bagh, E., Hahmann, A. N., Badger, J., Nielsen, N. W. & Verhoef, A.
01/10/2009 → 20/09/2013
Aeroelastic optimization of MW turbines
Buhl, T.
01/09/2009 → 31/08/2011
Project

Computationally Efficient Methods for Reliability Based Design of Wind Turbine Blades
Dimitrov, N. K., Berggreen, C., Friis-Hansen, P., Staerdel, J., Nishijima, K., Straub, D. & Sørensen, J. D.
01/09/2009 → 27/08/2013
Project: PhD

Integreret Aeroservoelastisk Analyse og Design af Vindmøller
01/09/2009 → 20/09/2013
Project: PhD

Structural and textural control in high strength dual phase steels
Azuma, M., Huang, X., Winther, G., Juul Jensen, D., Furuha, T. & Withers, P. J.
01/09/2009 → 24/04/2013
Project: PhD

3D virtual testing of composites for wind energy applications: Computational mesomechanics approach
Mishnaevsky, L.
01/05/2009 → 31/05/2011
Project

Pre-standardisation of wind power modelling
Sørensen, P. E., Margaris, I., Hansen, A. D. & Wu, Q.
01/05/2009 → 30/11/2013
Project

Structure and mechanical properties of aligned natural fibre composites
Rask, M., Sørensen, B. F., Lauridsen, E. M., Madsen, B., Mikkelsen, L. P. & Spearing, S. M.
01/04/2009 → 31/01/2013
Project: PhD

Offshore Wind Energy: Wind and Sea Surface Temperature from Satellite Observations
01/03/2009 → 24/08/2012
Project: PhD

EO-LAND-WATER
Dellwik, E., Hasager, C. B., Sogachev, A. & Nielsen, J. R.
01/02/2009 → 01/07/2012
Project

Floating offshore wind turbines - 3D hydrodynamics coupled to an advanced aero-elastic code
01/02/2009 → 27/05/2013
Project: PhD

Integrated design of wind power systems
01/02/2009 → 18/06/2012
Analysis and modeling of unsteady aerodynamics with application to wind turbine blade vibration at standstill conditions
15/12/2008 → 23/05/2012
Project: PhD

New data assimilation techniques for short-term wind energy forecast models with a rapid update cycle
15/12/2008 → 25/06/2012
Project: PhD

Sensor Design and Control Algorithm for Flaps on Wind Turbine Blades
01/12/2008 → 23/05/2012
Project: PhD

Strukturelt design af fremtidens store vinger under kombineret last
Bialas, Z., Branner, K., Bak, C. & Berggreen, C.
01/12/2008 → 15/09/2012
Project: PhD

Unsteady Flow Modeling and Experimental Verification of Active Flow Control Concepts for Wind Turbine Blades
Bæk, P., Gaunaa, M., Korsgaard, J., Hansen, M. O. L., Bottasso, C. L. & van Kuik, G. A. M.
01/12/2008 → 02/05/2012
Project: PhD

Wind Atlas for South Africa (Phase 1)
01/11/2008 → 31/03/2014
Project

Characterization and modelling of wood fibre composites
Aslan, M., Serensen, B. F., Madsen, B., Horsewell, A. & Burgert, I.
15/10/2008 → 20/09/2012
Project: PhD

EU NORSEWinD: Northern Seas Wind Index database
01/08/2008 → 31/07/2012
Project

Recovery and recrystallisation of nanostructured metals - mechanisms and kinetics
Yu, T., Huang, X., Winther, G., Pantleon, W., Doherty, R. D. & Driver, J. H.
01/08/2008 → 23/05/2012
Project: PhD

Development of Adaptive Trailing Edge Flap (ATEF) system for Wind Turbines
Buhl, T.
01/04/2008 → 31/12/2011
Project

EFP07-II, Program for Forskning i Anvendt Aeroelasticitet
Buhl, T.
01/04/2008 → 31/03/2009
Project

Strukturel modellering af vindmølleblade med passiv kontrol
Fedorov, V., Berggreen, C., Branner, K., Krenk, S., Jensen, J. J., Hayman, B. & Thomsen, O. T.
01/03/2008 → 23/11/2012
Project: PhD

El til vejtransport, fleksible el-systemer og vindkraft
Nielsen, L. H., Morthorst, P. E., Jørgensen, K., Meibom, P., Andersen, N. J., Larsen, E., Horstmann, J., Ravn, H. V.,
Anderson, A., Nørgaard, P. H., Hansen, A. B., Pedersen, J., Abildgaard, H. & Hansen, L.
17/01/2008 → 31/12/2011
Project

Mesoscale and microscale modelling in China (CMA component)
Hansen, J. C., Mortensen, N. G., Badger, J., Larsén, X. G., Rathmann, O. S., Nielsen, M., Hummelshøj, P. & Enevoldsen,
K.
01/12/2007 → 31/07/2010
Project

Development of wind energy technologies in Nepal on the basis of natural materials
Mishnaevsky, L.
01/11/2007 → 31/08/2011
Project

Agentbaserede styringsstrukturer i elsystemer med betydelig decentral produktion : PSO-projekt
Lind, M., Nielsen, A. H., Saleem, A., Bindner, H. W., Andreasen, J. & Nielsen, L. B.
01/03/2007 → 31/03/2010
Project

VirtuelGalathea3 e-learning (vg3.dk og galathea3.dk)
Hasager, C. B.
01/03/2007 → 31/12/2015
Project

Advanced Load Alleviation for Wind Turbines using Adaptive Trailing Edge Geometry : Sensoring and control
Buhl, T.
01/06/2006 → 30/06/2009
Project

Satellite Eye for Galathea 3
Hasager, C. B., Badger, M. & Karagali, I.
01/03/2006 → 28/02/2009
Project

12 MW wind turbines: the scientific basis for their operational 70 to 270 m height offshore
Hasager, C. B., Peña, A., Mikkelsen, T. K., Courtney, M., Antoniou, I. & Gryning, S.
01/10/2005 → 31/03/2009
Project

Power Fluctuations from Large Offshore Wind Farms
Sørensen, P. E., Cutululis, N. A., Madsen, H. & Pinson, P.
01/10/2004 → 30/09/2008
Project
SAT-WIND: Winds from satellites for offshore and coastal wind energy mapping and wind-indexing
Hasager, C. B.
01/04/2004 → 30/09/2006
Project

Adaptiv vingegeometri til reduktion af vindmøllelaster
Buhl, T.
01/10/2003 → 30/09/2005
Project

SAR-WAKE: Offshore wake effect study from Earth Observation Synthetic Aperture Radar
Hasager, C. B.
01/02/2003 → 01/04/2006
Project

EO-WINDFARM: Design and integration of an EO-based mapping service based on end-user demands for geo-information when planning, constructing and operating wind farms.
Hasager, C. B.
01/01/2003 → 31/12/2006
Project

Grid-connected Wind Farm Extension Project in Cape Verde
Hansen, J. C. & Mortensen, N. G.
31/03/2001 → 30/11/2002
Project

EO-FLUX-BUDGET: Earth Observation data for upscaling carbon FLUX and water BUDGET at Zealand
Hasager, C. B.
01/01/2001 → 01/01/2004
Project

WAsP-Engineering (WEng) Courses
Nielsen, M., Kelly, M. C., Berg, J., Sempreviva, A. M., Ejsing Jørgensen, H. & Mann, J.
01/01/2001 → 31/12/2017
Project

EU WATERMED: WATer use Efficiency in natural vegetation and agricultural areas by Remote sensing In the MEDITerranean basin
Hasager, C. B.
01/01/2000 → 31/12/2002
Project

EU-WEMSAR: Wind Energy Mapping using Synthetic Aperture Radar
Hasager, C. B.
01/01/2000 → 31/12/2002
Project

Konvertering af danske vinddata til "Database on Wind Characteristics"
Hansen, K. S.
01/01/2000 → 31/12/2001
Project

SAT-MAP-CLIMATE: SATellite based bio-geophysical parameter MAPping and aggregation modelling for CLIMATE models
Hasager, C. B.
01/01/1999 → 01/01/2001
Project
Wind Atlas for Egypt
Hansen, J. C. & Mortensen, N. G.
01/01/1997 → 31/12/2006
Project

RS-model: Remote Sensing based Crop Simulation and Soil-Vegetation-Atmosphere-Transport modelling RS-MODEL (and continuation)
Hasager, C. B.
01/01/1996 → 31/12/2005
Project

WAsP courses and certification
Mortensen, N. G., Rathmann, O. S., Nielsen, M., Kelly, M. C., Gryning, S., Troen, I., Lundtang Petersen, E., Peña, A., Hansen, B. O. & Larsen, S. E.
01/01/1991 → 31/12/2017
Project

WAsP development and support
Hansen, B. O., Mortensen, N. G., Rathmann, O. S., Troen, I., Kelly, M. C., Nielsen, M., Lundtang Petersen, E. & Bechmann, A.
23/07/1987 → 31/12/2018
Project

Activities:

Inflow characterization using measurements from the SpinnerLidar: the ScanFlow experiment
Mikkelsen, T. K. (Guest lecturer)
20 Jun 2018
Activity: Talks and presentations › Conference presentations

Offshore New European Wind Atlas
Karagali, I. (Guest lecturer), Mann, J. (Other), Hahmann, A. N. (Other), Hasager, C. B. (Other), Badger, M. (Other)
20 Jun 2018
Activity: Talks and presentations › Conference presentations

The Østerild balconies experiment
Karagali, I. (Guest lecturer), Dellwik, E. (Other), Mann, J. (Other), Vasiljevic, N. (Other)
20 Jun 2018
Activity: Talks and presentations › Conference presentations

WASA 2 Application for planning purposes
Mortensen, N. G. (Guest lecturer), Hahmann, A. N. (Other), Hansen, J. C. (Other)
20 Jun 2018
Activity: Talks and presentations › Conference presentations

WASA 2 Microscale modelling and validation
Mortensen, N. G. (Guest lecturer), Hahmann, A. N. (Other), Hansen, J. C. (Other)
20 Jun 2018
Activity: Talks and presentations › Conference presentations

IEA Wind (Tasks 36 & 32) Joint Workshop on Very-Short Term Forecasting of Wind Power
Simon, E. (Organizer)
12 Jun 2018 → 13 Jun 2018
Activity: Attending an event › Participating in or organising a conference
IMPROVED DIURNAL VARIABILITY FORECAST OF OCEAN SURFACE TEMPERATURE THROUGH COMMUNITY MODEL DEVELOPMENT (DIVOST-COM)
Karagali, I. (Guest lecturer), Jacob L. Høyer (Other), Jun She (Other)
5 Jun 2018
Activity: Talks and presentations › Conference presentations

The increasing importance of SST for wind energy applications
Karagali, I. (Guest lecturer)
4 Jun 2018 → 8 Jun 2018
Activity: Talks and presentations › Conference presentations

On the Transition between the Shear-production and the Inertial Subranges in a Strong Shear Turbulent Atmospheric Surface Layer
Mikkelsen, T. K. (Guest lecturer)
22 May 2018 → 25 May 2018
Activity: Talks and presentations › Conference presentations

Mechanical Systems and Signal Processing (Journal)
Lylloff, O. A. (Reviewer)
5 Apr 2018 → 2 May 2018
Activity: Research › Peer review of manuscripts

Innovative measurement techniques for atmospheric turbulence and wind energy
Mikkelsen, T. K. (External examiner)
4 Apr 2018
Activity: Examinations and supervision › External examination

EERA jp Wind (External organisation)
Cutululis, N. A. (Member)
1 Apr 2018 → 31 Mar 2021
Activity: Membership › Membership of research networks or expert groups

Wind Flows at the Kurzeme Coast of the Baltic Proper
Hahmann, A. N. (External examiner)
23 Mar 2018
Activity: Examinations and supervision › External examination

Overview of upcoming lidar wake experiments at DTU
Simon, E. (Guest lecturer)
22 Mar 2018
Activity: Talks and presentations › Conference presentations

Noise Quantification with Beamforming Deconvolution: Effects of Regularization and Boundary Conditions
Lylloff, O. A. (Speaker)
6 Mar 2018
Activity: Talks and presentations › Conference presentations

The DTU Mesoscale Reanalysis System
Hahmann, A. N. (Guest lecturer)
5 Mar 2018
Activity: Talks and presentations › Conference presentations

MARINERG-I Stakeholders Meeting AAU 25. jan 2018
Mikkelsen, T. K. (Organizer)
25 Jan 2018
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Impact on wind turbine loads from different down regulation control strategies EERA DeepWind 2018**
Galinos, C. (Other)
17 Jan 2018 → 19 Jan 2018
Activity: Talks and presentations › Conference presentations

**Mitigating Turbine Mechanical Loads Using Engineering Model Predictive Wind Farm Controller**
Kazda, J. (Guest lecturer), Karl Merz (Other), John Olav Tande (Other), Cutululis, N. A. (Guest lecturer)
17 Jan 2018
Activity: Talks and presentations › Conference presentations

**Advanced meteorological modelling cross scales**
Larsén, X. G. (Main supervisor)
2017 → 2020
Activity: Examinations and supervision › Supervisor activities

**Advances in Science and Research (Journal)**
Volker, P. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**Atmospheric Science Letters (Journal)**
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**Boundary-Layer Meteorology (Journal)**
Badger, J. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

**Boundary-Layer Meteorology (Journal)**
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**Boundary-Layer Meteorology (Journal)**
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**Boundary-Layer Meteorology (Journal)**
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**Climate Dynamics (Journal)**
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

**EGU General Assembly 2017**
Sempreviva, A. M. (Organizer)
2017 → …
Activity: Attending an event › Participating in or organising a conference
Energies (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

Energy for Sustainable Development (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

Energy Procedia (Journal)
Sempreviva, A. M. (Peer reviewer)
2017
Activity: Research › Journal editor

Environmental Research Letters (Journal)
Hahmann, A. N. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Environmental Research Letters (Journal)
Hahmann, A. N. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Examination of wave effect in the Wind-Wave-Wake coupled modeling for offshore wind farm
Larsen, X. G. (Main supervisor)
2017 → 2019
Activity: Examinations and supervision › Supervisor activities

"Impact of the sea breeze on the vertical wind profile in coastal areas: Comparison between a Mediterranean and a North Sea site"
Sempreviva, A. M. (Guest lecturer)
2017
Activity: Talks and presentations › Conference presentations

International Conference on Future Technologies for Wind Energy WindTech 2017 24-26 Oct. 2017
Sempreviva, A. M. (Panel member)
2017
Activity: Attending an event › Participating in or organising a conference

Journal of King Saud University - Science (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

Journal of the Air and Waist Management Association (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

Journal of the Atmospheric Sciences (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts
Journal of Wind Engineering & Industrial Aerodynamics (Journal)
Larsen, X. G. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts

Journal of Wind Engineering & Industrial Aerodynamics (Journal)
Gryning, S. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts

MARINET2. A European network of marine renewables infrastructures
Sempreviva, A. M. (Speaker)
2017
Activity: Talks and presentations › Conference presentations

Meteorological Applications (Journal)
Badger, J. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Meteorology and Atmospheric Physics (Journal)
Gryning, S. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts

Modeling rough weather over the North Sea - using COAWST for offshore wind energy applications
Larsen, X. G. (Main supervisor)
2017 → ...
Activity: Examinations and supervision › Supervisor activities

Monthly Weather Review (Journal)
Hahmann, A. N. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Nature Energy (Journal)
Badger, J. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Remote Sensing (Journal)
Gryning, S. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts

Remote Sensing (Journal)
Gryning, S. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts

Remote Sensing (Journal)
Gryning, S. (Reviewer)
2017 → ...
Activity: Research › Peer review of manuscripts
Royal Meteorological Society. Quarterly Journal (Journal)
Gryning, S. (Reviewer)
2017 → …
Activity: Research › Peer review of manuscripts

Wind energy open data web portal: Metadata and Taxonomy for data search
Sempreviva, A. M. (Keynote speaker)
2017
Activity: Talks and presentations › Conference presentations

Wind Energy Science Discussions (Journal)
Sogachev, A. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Multidisciplinary Design Optimization with HAWTOpt2
McWilliam, M. (Invited speaker), Zahle, F. (Other)
15 Dec 2017
Activity: Talks and presentations › Conference presentations

Coastal Effects on Offshore Wind Calculation
Larsén, X. G. (Keynote speaker)
14 Dec 2017
Activity: Talks and presentations › Conference presentations

Mapping offshore winds in the New European Wind Atlas
Karagali, I. (Guest lecturer), Hahmann, A. N. (Guest lecturer), Badger, M. (Guest lecturer), Hasager, C. B. (Guest lecturer), Mann, J. (Guest lecturer)
12 Dec 2017
Activity: Talks and presentations › Conference presentations

The Østerild Balconies Experiment
Karagali, I. (Guest lecturer), Mann, J. (Guest lecturer), Dellwik, E. (Guest lecturer), Lea, G. (Guest lecturer), Simon, E. (Guest lecturer), Vasiljevic, N. (Guest lecturer)
12 Dec 2017
Activity: Talks and presentations › Conference presentations

See continuing education as disruption
Badger, M. (Speaker)
7 Dec 2017
Activity: Talks and presentations › Conference presentations

Wind Energy Master - a new online programme
Badger, M. (Speaker)
4 Dec 2017
Activity: Talks and presentations › Conference presentations

WIND ENERGY DENMARK 2017
Badger, J. (Chairman)
2 Dec 2017
Activity: Attending an event › Participating in or organising a conference

Ligthweight rotor design for 10-20 MW Wind turbines
Rasmussen, F. (Lecturer)
30 Nov 2017
Power curve measurement using $f$ estimates from nacelle lidars and its uncertainty
Borraccino, A. (Guest lecturer)
30 Nov 2017

E-learning: Wind Energy Master
Badger, M. (Other), Clausen, N. (Speaker)
29 Nov 2017

Kuren mod klimaproblemet - Et bud på løsningen fra et teknisk-videnskabeligt vindenergi-synspunkt
Gaunaa, M. (Guest lecturer)
29 Nov 2017

Building wind energy taxonomy for FAIR data: how to organize and find web distributed data
Semperviva, A. M. (Guest lecturer)
28 Nov 2017

Online teaching and MOOCs
Badger, M. (Guest lecturer)
28 Nov 2017

The Poul la Cour Tunnel: A new aerodynamic and aeroacoustic wind tunnel dedicated to wind energy
Bak, C. (Other), Fischer, A. (Other), Mikkelsen, R. F. (Other), Olsen, A. S. (Other), Gaunaa, M. (Other), Fernandez Grande, E. (Other), Skrzypinski, W. R. (Other)
28 Nov 2017 → 30 Nov 2017

Mesh Dependence on Shear Driven Boundary Layers in Stable Stratification Generated by Large Eddy-Simulation
Berg, J. (Guest lecturer)
21 Nov 2017

Performance and Equivalent Loads of Wind Turbines in Large Wind Farms
Andersen, S. J. (Speaker)
20 Nov 2017

Wind Energy in Denmark & Introduction to DTU Wind Energy
Larsen, X. G. (Invited speaker)
15 Nov 2017

Interpreting wind energy resource visualisations for South Africa
Hahmann, A. N. (Speaker), Mortensen, N. G. (Other), Hansen, J. C. (Other)
14 Nov 2017

Rui Liu
Sogachev, A. (Host)
13 Nov 2017 → 1 Nov 2018
Specimen design and instrumentation for monitoring fatigue crack growth initiating at ply drops
Goutianos, S. (Speaker), Di Crescenzo, L. (Speaker), McGugan, M. (Speaker), Sørensen, B. F. (Speaker)
8 Nov 2017 → 9 Nov 2017
Activity: Talks and presentations › Conference presentations

Structural degradation of a large composite wind turbine blade in a full-scale fatigue test
Chen, X. (Speaker)
8 Nov 2017
Activity: Talks and presentations › Conference presentations

Large-scale wake effects of wind turbines
Volker, P. (Participant)
7 Nov 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Geophysical Research - Part C - Ocean (Journal)
Karagali, I. (Reviewer)
2 Nov 2017
Activity: Research › Peer review of manuscripts

Environmental Research Letters (Journal)
Volker, P. (Reviewer)
1 Nov 2017 → 31 Dec 2017
Activity: Research › Peer review of manuscripts

Remote Sensing of Environment (Journal)
Karagali, I. (Reviewer)
1 Nov 2017
Activity: Research › Peer review of manuscripts

European Commission (External organisation)
Hahmann, A. N. (Participant)
Oct 2017 → Nov 2017
Activity: Membership › Membership in review committee

Journal of Applied Meteorology and Climatology (Journal)
Kelly, M. C. (Reviewer)
Oct 2017 → …
Activity: Research › Peer review of manuscripts

E-learning: Wind Energy Master
Badger, M. (Invited speaker), Madsen, N. J. (Invited speaker)
30 Oct 2017
Activity: Talks and presentations › Conference presentations

PhD censor
Badger, J. (External examiner)
25 Oct 2017
Activity: Examinations and supervision › External examination

International Conference on Future Technologies for Wind Energy WindTech 201724-26 Oct. 2017
Simon, E. (Participant)
24 Oct 2017 → 26 Oct 2017
Activity: Attending an event › Participating in or organising a conference
Satellite SAR measurements for offshore wind farm development
Ahsbahs, T. T. (Guest lecturer), Badger, M. (Guest lecturer), Hasager, C. B. (Guest lecturer), Hansen, K. S. (Guest lecturer), Voik, P. (Guest lecturer)
24 Oct 2017 → 26 Oct 2017
Activity: Talks and presentations › Conference presentations

Wind field re-construction of 3D Wake measurements from a turbine-installed scanning lidar
Mikkelsen, T. K. (Guest lecturer)
24 Oct 2017 → 26 Oct 2017
Activity: Talks and presentations › Conference presentations

Institute of Engineering Thermophysiology Chinese Academy of Sciences
Larsen, X. G. (Visiting lecturer)
19 Oct 2017
Activity: Visiting an external institution › Visiting another research institution

Modeling wind conditions for offshore wind farms: implications of layout for wind resource, design conditions and integration
Larsen, X. G. (Invited speaker)
19 Oct 2017
Activity: Talks and presentations › Conference presentations

Wind farm design in complex terrain - the FarmOpt methodology
Feng, J. (Invited speaker), Shen, W. Z. (Other)
18 Oct 2017
Activity: Talks and presentations › Conference presentations

Chinese Meteorological Administration
Larsen, X. G. (Visiting researcher)
13 Oct 2017
Activity: Visiting an external institution › Visiting another research institution

Modeling wind conditions for offshore wind farms: implications of layout for wind resource, design conditions and integration
Larsen, X. G. (Guest lecturer)
13 Oct 2017
Activity: Talks and presentations › Conference presentations

Pitch me
Bak, C. (Panel member)
10 Oct 2017 → 11 Oct 2017
Activity: Talks and presentations › Conference presentations

WIND ENERGY DENMARK 2017
Rasmussen, F. (Organizer)
3 Oct 2017
Activity: Attending an event › Participating in or organising a conference

Extreme variance vs. turbulence: What can the IEC cover?
Hannesdóttir, Á. (Speaker), Kelly, M. C. (Other), Dimitrov, N. K. (Other)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

Global Wind Atlas 2.0: Aiming for best value out of high resolution
Badger, J. (Speaker)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

Global Wind Atlas 2.0: Aiming for best value out of high resolution global datasets
Badger, J. (Guest lecturer)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

Optimization of jacket design for large wind turbines
Stolpe, M. (Invited speaker)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

The New European Wind Atlas: Exploring new methods for user access and analysis
Badger, J. (Guest lecturer)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

The Poul la Cour Tunnel & the DTU Research Turbine
Bak, C. (Guest lecturer)
2 Oct 2017
Activity: Talks and presentations › Conference presentations

WIND ENERGY DENMARK 2017
Stolpe, M. (Participant)
2 Oct 2017 → 3 Oct 2017
Activity: Attending an event › Participating in or organising a conference

Leonardo Aquino
Hahmann, A. N. (Host)
Sep 2017 → Dec 2017
Activity: Hosting a guest lecturer

Theoretical and Applied Climatology (Journal)
Kelly, M. C. (Reviewer)
Sep 2017 → …
Activity: Research › Peer review of manuscripts

IEA Wind Task 32 workshop
Borraccino, A. (Guest lecturer), Wagner, R. (Other), David Schlipf (Other), Nicolai Gayle Nygaard (Other)
27 Sep 2017
Activity: Talks and presentations › Conference presentations

Lidar Measurement for more Accurate Measurements and Higher Energy Yield
Mikkelsen, T. K. (Invited speaker)
27 Sep 2017
Activity: Talks and presentations › Conference presentations

Land surface parametrizations for CFD models and WASP in complex forested terrain
Dellwik, E. (Invited speaker)
26 Sep 2017
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Vindenergi (Wind energy)
Clausen, N. (Guest lecturer)
26 Sep 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**E-learning master and continuing education**
Badger, M. (Invited speaker)
21 Sep 2017
Activity: Talks and presentations › Conference presentations

**Remote Sensing of Environment (Journal)**
Karagali, I. (Reviewer)
21 Sep 2017
Activity: Research › Peer review of manuscripts

**13th EAWE PhD seminar on Wind Energy in Europe**
Simon, E. (Organizer)
19 Sep 2017 – 22 Sep 2017
Activity: Attending an event › Participating in or organising a conference

**IEC 61400-15 meeting/workshop 12 (Event)**
Kelly, M. C. (Member)
19 Sep 2017 – 22 Sep 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Gert-Jan Steeneveld**
Badger, J. (Host)
18 Sep 2017 – 13 Oct 2017
Activity: Hosting a guest lecturer

**Journal of Renewable and Sustainable Energy (Journal)**
Rathmann, O. S. (Reviewer)
18 Sep 2017 – 14 Nov 2017
Activity: Research › Peer review of manuscripts

**4th Biannual System Engineering Workshop**
McWilliam, M. (Chairman), Zahle, F. (Chairman), Katherine Dykes (Chairman)
13 Sep 2017 – 15 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Blind Results for The Aerodynamic Wind Turbine Design Optimization Case Study for the IEA Task 37 on Wind Energy Systems Engineering**
McWilliam, M. (Invited speaker), Zahle, F. (Other), Katherine Dykes (Other)
13 Sep 2017
Activity: Talks and presentations › Conference presentations

**Higher Fidelity Analysis in Wind Turbine Multi-disciplinary Design Optimization**
McWilliam, M. (Invited speaker)
13 Sep 2017
Activity: Talks and presentations › Conference presentations

**J A S A Express Letters (Journal)**
Lylloff, O. A. (Reviewer)
10 Sep 2017
Activity: Research › Peer review of manuscripts

**EMS Annual Meeting: European Conference for Applied Meteorology and Climatology 2017**
Gryning, S. (Chairman)
7 Sep 2017
Activity: Attending an event › Participating in or organising a conference

European Meteorological Society (External organisation)
Gryning, S. (Member)
7 Sep 2017

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

EMS Annual Meeting: European Conference for Applied Meteorology and Climatology 2017 (Event)
Gryning, S. (Chairman)
6 Sep 2017

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

An emerging European Doppler lidar network for meteorological applications
Ewan J. O'Connor (Speaker), Anne Hirsikko (Other), Christos Halios (Other), Gryning, S. (Other), Ronny Leinweber (Other), Antti Manninen (Other), Tobias Marke (Other), Nina Petersen (Other), Jana Preiessler (Other), Eileen Päschke (Other), Umar Saeed (Other), Jan Sween (Other), Yang Shu (Other), Irene Suomi (Other), Minttu Tuononen (Other), Ville Vakkari (Other), Ludovic Thobois (Other), Guy Pearson (Other), Alain Dabas (Other), Johannes Buehl (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

Doppler lidar horizontal wind retrievals from a meteorological perspective
Ewan O'Connor (Speaker), Anne Hirsikko (Other), Christos Halios (Other), Gryning, S. (Other), Ronny Leinweber (Other), Antti Manninen (Other), Tobias Marke (Other), Guðrún Nina Petersen (Other), Jana Preiessler (Other), Eileen Päschke (Other), Umar Saeed (Other), jan sween (Other), Yang Shu (Other), Irene Suomi (Other), Minttu Tuononen (Other), Ville Vakkari (Other), Ludovic Thobois (Panel member), Guy Pearson (Other), Alain Dabas (Other), Johannes Buehl (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

European Meteorological Society (External organisation)
Gryning, S. (Member)
4 Sep 2017

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Marina wind profiles measured by a wind lidar - ability of WRF to predict marine wind profiles
Ekaterina Batchvarova (Speaker), Gryning, S. (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

New methodologies to observe wind gusts: research aircraft and Doppler lidar measurements
Irene Suomi (Speaker), Timo Vihma (Other), Gryning, S. (Other), Christof Lüpkes (Other), Jörg Hartmann (Other), Ewan O'Connor (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

Performance of four PBL schemes in WRF at Villum Research Station, Station Nord, Greenland
Hristina Kirova (Other), Ekaterina Batchvarova (Speaker), Gryning, S. (Other), Henrik Skov (Other), Lise-Lotte Sørensen (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

Ramp events in the marine boundary-layer investigated by a wind lidar
Gryning, S. (Speaker), Ekaterina Batchvarova (Other)
4 Sep 2017 → 8 Sep 2017

Activity: Talks and presentations › Conference presentations

Geoscientific Model Development (Journal)
Volker, P. (Reviewer)
1 Sep 2017 → 1 Dec 2017
Activity: Research › Peer review of manuscripts

**Test of universality of roughness length and displacement height formulations regarding stability**
Sogachev, A. (Speaker), Kelly, M. C. (Other)
30 Aug 2017
Activity: Talks and presentations › Conference presentations

**Ekaterina Batchvarova**
Gryning, S. (Host)
8 Aug 2017 → 16 Aug 2017
Activity: Hosting a guest lecturer

**Energies (Journal)**
Volker, P. (Reviewer)
1 Aug 2017 → 1 Sep 2017
Activity: Research › Peer review of manuscripts

**Journal of Fluid Mechanics (Journal)**
Kelly, M. C. (Reviewer)
Jul 2017 → Nov 2017
Activity: Research › Peer review of manuscripts

**Accuracy of coastal wind speed gradients from Synthetic Aperture Radar by comparisons with scanning lidars**
Ahsbahs, T. T. (Speaker), Badger, M. (Speaker), Karagali, I. (Speaker), Larsén, X. G. (Speaker)
26 Jul 2017 → 29 Jul 2017
Activity: Talks and presentations › Conference presentations

**WAsP-ForestGALES: a merged tool for improved forest wind damage prediction**
Dellwik, E. (Guest lecturer), Ducan Heathfield (Guest lecturer), Barry Gardiner (Guest lecturer)
19 Jul 2017
Activity: Talks and presentations › Conference presentations

**Initial results from the Single Tree Experiment**
Dellwik, E. (Guest lecturer), Mann, J. (Guest lecturer), Angelou, N. (Guest lecturer), Sogachev, A. (Guest lecturer), Troldborg, N. (Guest lecturer), Barry Gardiner (Guest lecturer), Timothy Newson (Guest lecturer), Horia Hangan (Guest lecturer)
17 Jul 2017
Activity: Talks and presentations › Conference presentations

**Summary of oral and poster presentations**
Gryning, S. (Speaker)
29 Jun 2017
Activity: Talks and presentations › Conference presentations
Wind Energy (Journal)
Karagali, I. (Reviewer)
29 Jun 2017
Activity: Research › Peer review of manuscripts

WRF model evaluation based on wind lidar measurements
Gryning, S. (Speaker), Batchvarova, E. (Other)
29 Jun 2017
Activity: Talks and presentations › Conference presentations

An Engineering 2D Vortex-based Model for VAWT Aerodynamics
Gaunaa, M. (Guest lecturer)
28 Jun 2017
Activity: Talks and presentations › Conference presentations

Improved Roughness Model for 2D Viscous-Inviscid Panel Methods
Olsen, A. S. (Speaker), Ramos Garcia, N. (Other), Christian Bak (Other), Gaunaa, M. (Other)
28 Jun 2017
Activity: Talks and presentations › Conference presentations

Journal of Geophysical Research - Part C - Ocean (Journal)
Karagali, I. (Reviewer)
28 Jun 2017
Activity: Research › Peer review of manuscripts

The Østerild Balconies Experiment
Karagali, I. (Speaker), Dellwik, E. (Other), Lea, G. (Other), Simon, E. (Other), Vasiljevic, N. (Other), Mann, J. (Other)
28 Jun 2017
Activity: Talks and presentations › Conference presentations

CFD prediction of airfoil deep stall performance using Improved Delayed Detached Eddy Simulations
Sørensen, N. N. (Guest lecturer)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

Chairing session on Forecasting for power-system applications - wind models
Gryning, S. (Speaker)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

Inflow conditions and wake effects for wind turbines in forested terrain
Dellwik, E. (Invited speaker), Alkistis Papetta (Other), Johan Arnqvist (Other), Nielsen, M. (Other), Larsen, T. J. (Other)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

Interaction between turbine wakes and complex terrain in large-eddy simulations
Berg, J. (Guest lecturer)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

International Conference on Energy & Meteorology (Event)
Gryning, S. (Participant)
27 Jun 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
Predicting free-stream wind speed in complex terrain with lidar measurements
Meyer Forsting, A. (Speaker)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

Simulation of Bayesian Optimization Based Wind Farm Power Maximization Technique Using Dynamic Wake Meandering Model
Kazda, J. (Guest lecturer), Cutululis, N. A. (Guest lecturer), Juan Gratacos (Other)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

TOPFARM: framework for coupling models to address wind farm optimization challenges
Verelst, D. R. (Speaker), Zahle, F. (Other), Réthoré, P. (Other), Rinker, J. (Other)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

Turbulence Estimation from a Continuous-Wave Scanning Lidar (SpinnerLidar)
Mikkelsen, T. K. (Guest lecturer)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

An Advanced Blade Modelling Approach
Haselbach, P. U. (Other), Branner, K. (Other)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Analysis of extreme wind events at Høvsøre and the effect on wind turbine loads
Hannesdóttir, Á. (Speaker), Kelly, M. C. (Other), Mann, J. (Other), Natarajan, A. (Other)
26 Jun 2017
Activity: Talks and presentations › Conference presentations

Bigger is better! Is it really?
Hahmann, A. N. (Speaker)
26 Jun 2017
Activity: Talks and presentations › Conference presentations

Large scale wind farm wakes and a wind-wave-wake coupled mesoscale modeling system
Volker, P. (Guest lecturer), Badger, J. (Guest lecturer), Larsén, X. G. (Guest lecturer), Du, J. (Guest lecturer), Sørensen, P. E. (Guest lecturer), Nissen, J. N. (Guest lecturer)
26 Jun 2017
Activity: Talks and presentations › Conference presentations

Modelling of high cycle fatigue of coated high strength steel bolts
Haselbach, P. U. (Other), Eder, M. A. (Other), Mishin, O. (Other)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Offshore winds from a new generation of European satellites
Badger, M. (Speaker), Karagali, I. (Other), Ahshahs, T. T. (Other), Hasager, C. B. (Other)
26 Jun 2017
Activity: Talks and presentations › Conference presentations
Optimal wind turbine aeroelastic rotor design with active flaps
McWilliam, M. (Speaker), Barlas, A. (Other), Aagaard Madsen H. (Other), Zahle, F. (Other)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Parameter Uncertainty Reduction of the Re-calibrated Larsen Wake Model
Göçmen, T. (Speaker), Giebel, G. (Other)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Power curve measurement using \( V_\infty \) estimates from nacelle lidars and its uncertainty
Borraccino, A. (Speaker)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Preliminary Results for The Aerodynamic Wind Turbine Design Optimization Case Study for the IEA Task 37 on Wind Energy Systems Engineering
McWilliam, M. (Speaker), Zahle, F. (Other), Katherine Dykes (Other)
26 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Test possibilities in the Poul la Cour Tunnel
Bak, C. (Speaker), Fischer, A. (Other), Mikkelsen, R. F. (Other), Olsen, A. S. (Other), Gaunaa, M. (Other), Skrzypinski, W. R. (Other), Fernandez Grande, E. (Other)
26 Jun 2017
Activity: Talks and presentations › Conference presentations

The wind speed signature of varying sea surface temperature in the mesoscale model WRF
Karagali, I. (Speaker), Hahmann, A. N. (Other)
26 Jun 2017
Activity: Talks and presentations › Conference presentations

Wind Energy Science Conference 2017
McWilliam, M. (Organizer)
26 Jun 2017 → 29 Jun 2017
Activity: Attending an event › Participating in or organising a conference

A Probabilistic Approach to CFD Model Validation with Field Measurements in Wind Energy
Meyer Forsting, A. (Speaker)
20 Jun 2017
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Ocean & Coastal Management (Journal)
Nielsen, M. (Reviewer)
16 Jun 2017 → 6 Jul 2017
Activity: Research › Peer review of manuscripts

SAR for Wind Energy
Badger, M. (Lecturer), Hasager, C. B. (Other), Karagali, I. (Other), Ahsbahs, T. T. (Guest lecturer), Larsén, X. G. (Other), Peña, A. (Other), Hahmann, A. N. (Other), Volker, P. (Other), Di Bella, A. (Other)
16 Jun 2017
Activity: Talks and presentations › Conference presentations

A Probabilistic Approach to CFD Validation with Field Measurements in Wind Energy
Meyer Forsting, A. (Speaker)
IEC 61400-15 meeting/workshop 11 (Event)
Kelly, M. C. (Member)
12 Jun 2017 → 16 Jun 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

PhD Summer School: Remote Sensing for Wind Energy
Badger, M. (Organizer)
12 Jun 2017 → 16 Jun 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

12th World Congress of Structural and Multidisciplinary Optimisation
Sandal, K. (Participant), Rojas Labanda, S. (Participant), Stolpe, M. (Participant)
7 Jun 2017
Activity: Attending an event › Participating in or organising a conference

12th World Congress of Structural and Multidisciplinary Optimisation
Abrahamsen, A. B. (Participant), Stolpe, M. (Participant)
7 Jun 2017
Activity: Attending an event › Participating in or organising a conference

Coastal extreme winds and waves from COAWST-WBLM modelling system
Badger, J. (Speaker), Larsen, X. G. (Other), Du, J. (Other), Hahmann, A. N. (Other), Jacob T. Sorensen (Other), Volker, P. (Other), Imberger, M. (Other), Rodolfo Bolanos (Other), Kelly, M. C. (Other), Badger, M. (Other), Henrik Kofod-Hansen (Other), Karagali, I. (Other), Larsen, S. E. (Other), Ole Svenstrup Petersen (Other)
7 Jun 2017
Activity: Talks and presentations › Conference presentations

Mapping offshore winds in the New European Wind Atlas (NEWA)
Karagali, I. (Invited speaker), Hasager, C. B. (Other), Badger, M. (Other), Hahmann, A. N. (Other), Volker, P. (Other), Peña, A. (Guest lecturer), Julia Gottschall (Other), Eleonora Catalano (Other), Mann, J. (Other)
7 Jun 2017
Activity: Talks and presentations › Conference presentations

Optimal design of a galvanic corrosion protection systems for offshore wind turbine support structures
Sarhadi, A. (Speaker)
7 Jun 2017
Activity: Talks and presentations › Conference presentations

Sizing optimization of an offshore wind turbine jacket under dynamic loads considering stress and eigenfrequency constraints
Verbart, A. (Speaker), Sandal, K. (Other), Rojas Labanda, S. (Other), Stolpe, M. (Other)
7 Jun 2017
Activity: Talks and presentations › Conference presentations

Near-shore wind resource estimation using lidar measurements and modelling
Floors, R. R. (Guest lecturer), Hahmann, A. N. (Guest lecturer), Peña, A. (Guest lecturer)
6 Jun 2017 → 8 Jun 2017
Activity: Talks and presentations › Conference presentations

12th World Congress of Structural and Multidisciplinary Optimisation
Stolpe, M. (Participant), Rojas Labanda, S. (Participant), Blasques, J. P. A. A. (Participant)
5 Jun 2017
Activity: Attending an event › Participating in or organising a conference
12th World Congress of Structural and Multidisciplinary Optimization
Rojas Labanda, S. (Participant), Stolpe, M. (Participant)
5 Jun 2017 → 9 Jun 2017
Activity: Attending an event › Participating in or organising a conference

3D structural topology optimization of wind turbine blades with stiffness and frequency constraints
Carstensen, C. (Speaker)
5 Jun 2017
Activity: Talks and presentations › Conference presentations

Comparison of fatigue constraints in optimal design of jacket structures for offshore wind turbines
Sandal, K. (Speaker)
5 Jun 2017 → 9 Jun 2017
Activity: Talks and presentations › Conference presentations

Optimal modular design of jacket structures for offshore wind turbines
Stolpe, M. (Speaker), Sandal, K. (Speaker)
5 Jun 2017 → 9 Jun 2017
Activity: Talks and presentations › Conference presentations

Large-Eddy Simulation of turbine wake in complex terrain
Berg, J. (Guest lecturer)
1 Jun 2017
Activity: Talks and presentations › Conference presentations

Wind farm efficiency assessed by WRF with a statistical-dynamical approach
Volker, P. (Speaker), Badger, J. (Speaker), Hahmann, A. N. (Speaker), Ejsing Jørgensen, H. (Speaker)
1 Jun 2017
Activity: Talks and presentations › Conference presentations

Boundary-Layer Meteorology (Journal)
Kelly, M. C. (Reviewer)
May 2017 → Jun 2017
Activity: Research › Peer review of manuscripts

Efficiency of large wind farms: investigation of dependency on turbine technology and cluster layout
Volker, P. (Guest lecturer), Badger, J. (Guest lecturer), Hahmann, A. N. (Guest lecturer), Ejsing Jørgensen, H. (Guest lecturer)
31 May 2017 → 2 Jun 2017
Activity: Talks and presentations › Conference presentations

Modelling lidar volume-averaging and its effect on wake measurements
Meyer Forsting, A. (Speaker)
30 May 2017 → 1 Jun 2017
Activity: Talks and presentations › Conference presentations

Royal Meteorological Society. Quarterly Journal (Journal)
Karagali, I. (Reviewer)
29 May 2017
Activity: Research › Peer review of manuscripts

Optimal modular design of offshore support structures - modelling and methods
Stolpe, M. (Invited speaker)
18 May 2017
Activity: Talks and presentations › Conference presentations
Support Structure Optimization - Science or Art?
Stolpe, M. (Organizer)
18 May 2017 → 19 May 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Geophysical Research: Atmospheres (Journal)
Karagali, I. (Reviewer)
8 May 2017
Activity: Research › Peer review of manuscripts

Dynamical downscaling of North Sea winds: Reanalysis and ensemble predictions
Hahmann, A. N. (External examiner)
5 May 2017
Activity: Examinations and supervision › External examination

Energies (Journal)
Volker, P. (Reviewer)
1 May 2017 → 1 Aug 2017
Activity: Research › Peer review of manuscripts

Monthly Weather Review (Journal)
Volker, P. (Reviewer)
1 May 2017 → 1 Dec 2017
Activity: Research › Peer review of manuscripts

Passive/active load alleviation
Rasmussen, F. (Lecturer)
27 Apr 2017
Activity: Talks and presentations › Conference presentations

Remote Sensing of Environment (Journal)
Karagali, I. (Reviewer)
24 Apr 2017
Activity: Research › Peer review of manuscripts

Impact of interfaces for wind and wave modeling -via coupled atmospheric & ocean wave models, with SAR and mast measurements
Larsén, X. G. (Guest lecturer)
21 Apr 2017
Activity: Talks and presentations › Conference presentations

Exploring the perspectives in aeroelastic tailoring of blades
Rasmussen, F. (Invited speaker)
6 Apr 2017
Activity: Talks and presentations › Conference presentations

Wake Conference 2017 (Event)
Kelly, M. C. (Reviewer)
Mar 2017 → Apr 2017
Activity: Research › Peer review of manuscripts

Extreme winds
Badger, M. (Invited speaker), Larsén, X. G. (Other), Du, J. (Other), Hasager, C. B. (Other), Nina Svensson (Other)
30 Mar 2017
Activity: Talks and presentations › Conference presentations
SCIENCE OF MAKING TORQUE FROM WIND (Journal)
Karagali, I. (Reviewer)
30 Mar 2017
Activity: Research › Peer review of manuscripts

Remote Sensing (Journal)
Karagali, I. (Reviewer)
29 Mar 2017
Activity: Research › Peer review of manuscripts

Seeing the wind with Lidar-based WindScanners (Lidar-based wind turbine control & wind resource assessment)
Sjöholm, M. (Invited speaker)
23 Mar 2017
Activity: Talks and presentations › Conference presentations

Mesoscale Modelling of Wind Farm Wakes: Implications for large-scale planning
Badger, J. (Guest lecturer), Volker, P. (Other), Hahmann, A. N. (Other), Ejstrup Jørgensen, H. (Other)
17 Mar 2017
Activity: Talks and presentations › Conference presentations

Wind resource error estimation from mesoscale modeling for the Wind Atlas for South Africa
Hahmann, A. N. (Guest lecturer), Mortensen, N. G. (Guest lecturer), Volker, P. (Guest lecturer)
17 Mar 2017
Activity: Talks and presentations › Conference presentations

Towards a New European Wind Atlas: WRF Sensitivity Experiments and the Mesoscale-to-Microscale Model Chain
Hahmann, A. N. (Guest lecturer), Peña, A. (Guest lecturer), Floors, R. R. (Guest lecturer), Larsén, X. G. (Guest lecturer)
16 Mar 2017
Activity: Talks and presentations › Conference presentations

Copernicus Training and Information Session in Denmark, Aarhus, 9 Mar 2017
Badger, M. (Participant)
9 Mar 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SCIENCE OF MAKING TORQUE FROM WIND (Journal)
Karagali, I. (Reviewer)
3 Mar 2017
Activity: Research › Peer review of manuscripts

Investigation of the flow in a rain erosion tester
Bak, C. (Speaker), Sørensen, N. N. (Other), Olsen, A. S. (Other), Bech, J. I. (Other), Gaunaa, M. (Other), Kusano, Y. (Other)
27 Feb 2017
Activity: Talks and presentations › Conference presentations

CFD for Atmospheric Flows and Wind Engineering
Sørensen, N. N. (Guest lecturer)
24 Feb 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Applied Acoustics (Journal)
Lylloff, O. A. (Reviewer)
10 Feb 2017
Activity: Research › Peer review of manuscripts
Applied Micrometeorology: Resource Assessment (Uni.Stuttgart)
Kelly, M. C. (Guest lecturer)
8 Feb 2017 → 9 Feb 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Environmental Research Letters (Journal)
Volker, P. (Reviewer)
1 Feb 2017 → 1 Aug 2017
Activity: Research › Peer review of manuscripts

American Meteorological Society. Bulletin (Journal)
Kelly, M. C. (Reviewer)
Jan 2017 → Apr 2017
Activity: Research › Peer review of manuscripts

3D WindScanner - målinger af vind og turbulens omkring vindmøller, bygninger og broer
Mikkelsen, T. K. (Invited speaker)
31 Jan 2017
Activity: Talks and presentations › Conference presentations

31761 Renewables in Electricity Markets
Simon, E. (Course lecturer)
30 Jan 2017 → 8 May 2017
Activity: Other

Effect of atmospheric boundary layer top and capping inversion properties on mean wind profiles
Kelly, M. C. (Main supervisor), Jørgen Højstrup (External examiner), Berg, J. (Supervisor)
30 Jan 2017 → 30 Jun 2017
Activity: Examinations and supervision › Supervisor activities

From gusts to turbulence: vertical structure
Kelly, M. C. (Main supervisor), Jørgen Højstrup (External examiner), Joachim Peinke (Supervisor), Hannesdóttir, Á. (Supervisor)
30 Jan 2017 → 21 Jul 2017
Activity: Examinations and supervision › Supervisor activities

IEC 61400-15 meeting/workshop 10 (Event)
Kelly, M. C. (Member)
23 Jan 2017 → 26 Jan 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

AMS 97th Annual Meeting
Simon, E. (Speaker)
22 Jan 2017 → 28 Jan 2017
Activity: Talks and presentations › Conference presentations

AMS Renewable Energy Committee (External organisation)
Simon, E. (Participant)
22 Jan 2017 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Load conditions for wind turbines based on tall-tower observations at forested sites
Dellwik, E. (Main supervisor)
20 Jan 2017 → 30 Jun 2017
Activity: Examinations and supervision › Supervisor activities
Conceptual optimal design of jackets
Sandal, K. (Speaker)
18 Jan 2017 → 20 Jan 2017
Activity: Talks and presentations › Conference presentations

European perspective on wind energy research aimed at reducing the cost of wind energy through advances in wind plant flow physics, modeling and understanding.
Rasmussen, F. (Invited speaker)
10 Jan 2017
Activity: Talks and presentations › Conference presentations

Multi-fidelity optimization of horizontal axis wind turbines
McWilliam, M. (Speaker), Zahle, F. (Other), Pavese, C. (Other)
9 Jan 2017
Activity: Talks and presentations › Conference presentations

Energies (Journal)
Volker, P. (Reviewer)
1 Jan 2017 → 1 Feb 2017
Activity: Research › Peer review of manuscripts

Energies (Journal)
Volker, P. (Reviewer)
1 Jan 2017 → 1 Feb 2017
Activity: Research › Peer review of manuscripts

IEC (International Electrotechnical Commission) (External organisation)
Kelly, M. C. (Member)
1 Jan 2017 → 31 Dec 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Journal of Renewable and Sustainable Energy (Journal)
Volker, P. (Reviewer)
1 Jan 2017 → 1 Feb 2017
Activity: Research › Peer review of manuscripts

Lidar and MCP in wind resource estimations above measurement-mast height
Kelly, M. C. (Main supervisor), G.J.W. van Bussel (External examiner), W.A.A.M. Bierbooms (Supervisor), Clausen, N. (Internal examiner), Ardaan Walvis (Supervisor)
1 Jan 2017 → 1 Aug 2017
Activity: Examinations and supervision › Supervisor activities

13th Deep Sea Offshore Wind R&D Conference
Sandal, K. (Participant)
2016
Activity: Attending an event › Participating in or organising a conference

Design of large composite structures
Haselbach, P. U. (Lecturer)
2016
Activity: Talks and presentations › Conference presentations

EGU General Assembly 2016
Sempreviva, A. M. (Chairman)
2016
Activity: Attending an event › Participating in or organising a conference

**Energies (Journal)**
Volker, P. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts

**Energies (Journal)**
Volker, P. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts

**IEC 61400-15 and TC-88 (External organisation)**
Kelly, M. C. (Member)
2016 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**I E T Renewable Power Generation (Journal)**
Cutululis, N. A. (Editor)
2016 → …
Activity: Research › Journal editor

**Measnet Site Assessment Working Group (External organisation)**
Mortensen, N. G. (Participant)
2016 → 2018
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**PhD course in Advanced Finite Element Simulations using Abaqus**
Haselbach, P. U. (Lecturer)
2016
Activity: Talks and presentations › Conference presentations

**PhD representative in DTU Steering Committee for gender equality and diversity (External organisation)**
Sandal, K. (Participant)
2016 → 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Royal Meteorological Society. Quarterly Journal (Journal)**
Volker, P. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts

**Sådan kan man regne på husstandsmøller**
Bechmann, A. (Invited speaker)
2016
Activity: Talks and presentations › Conference presentations

**University of Bergen (External organisation)**
Hahmann, A. N. (Chairman)
2016 → 2017
Activity: Membership › Board duties in companies, associations, or public organisations

**Wind Energy Denmark 2016**
Sandal, K. (Speaker)
2016 → …
Activity: Talks and presentations › Conference presentations
Wind Energy Science (Journal)
Hahmann, A. N. (Reviewer)
2016
Activity: Research › Peer review of manuscripts

Wind Energy Science (Journal)
Volker, P. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts

Boundary-Layer Meteorology (Journal)
Kelly, M. C. (Reviewer)
Dec 2016 → …
Activity: Research › Peer review of manuscripts

Wind and atmospheric stability characteristics over the Baltic Sea
Larsén, X. G. (External examiner)
Dec 2016
Activity: Examinations and supervision › External examination

Galathea 3-ekspeditionen fejrer 10 års jubilæum: Virtuel Galathea3 e-learning
Hasager, C. B. (Participant)
14 Dec 2016
Activity: Other

VAWTs for offshore applications
Schmidt Paulsen, U. (Speaker), Siri Magrethe Kalvig (Panel member)
14 Dec 2016
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Compression Fatigue Testing and Damage in UD Glass Fibre Composites
Fraisse, A. (Other), Brøndsted, P. (Speaker)
12 Dec 2016
Activity: Talks and presentations › Conference presentations

COST Action TOPROF Workshop
Gryning, S. (Speaker), Ekaterina Batchvarova (Other)
2 Dec 2016
Activity: Talks and presentations › Conference presentations

COST Action TOPROF Workshop
Gryning, S. (Speaker)
2 Dec 2016
Activity: Talks and presentations › Conference presentations

O-B analysis from ceilometers
Gryning, S. (Speaker)
1 Dec 2016 → 2 Dec 2016
Activity: Talks and presentations › Conference presentations

Wind Energy at Nygårdsfjææet - Norway
Larsen, X. G. (External examiner)
Nov 2016
Activity: Examinations and supervision › External examination
Satellite data used in the New European Wind Atlas
Hasager, C. B. (Lecturer)
29 Nov 2016
Activity: Talks and presentations › Conference presentations

WEEng [WAsP-Engineering] course
Kelly, M. C. (Lecturer)
28 Nov 2016 → 30 Nov 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Retrospective aspects of DeepWind (ANFSCD) by Uwe Schmidt Paulsen
Schmidt Paulsen, U. (Keynote speaker)
23 Nov 2016
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

EERA Workshop
Gryning, S. (Speaker)
22 Nov 2016
Activity: Talks and presentations › Conference presentations

SPICE Edition 1 - Presentation, Analysis and Perspectives
Bertagnolio, F. (Invited speaker)
18 Nov 2016
Activity: Talks and presentations › Conference presentations

Wind-wave coupled mesoscale modelling systems for coastal extreme wind and wave conditions
Badger, M. (Speaker)
17 Nov 2016
Activity: Talks and presentations › Conference presentations

Measuring coastal winds with multiple remote sensing systems: A comparison of SAR wind retrievals and lidar wind measurements
Ahshbahs, T. T. (Guest lecturer), Badger, M. (Other), Karagali, I. (Other), Larsén, X. G. (Other), Peña, A. (Other)
15 Nov 2016 → 17 Nov 2016
Activity: Talks and presentations › Conference presentations

Synthetic Aperture Radar for wind energy applications: potential and challenges at high wind speeds
Badger, M. (Speaker)
15 Nov 2016
Activity: Talks and presentations › Conference presentations

Danish coast pilot
Badger, M. (Speaker)
11 Nov 2016
Activity: Talks and presentations › Conference presentations

ON-SHORE SERVICE AND MAINTENANCE
Bak, C. (Invited speaker)
8 Nov 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Some experience as an evaluator of Marie Skłodowska-Curie applications
Gryning, S. (Lecturer)
8 Nov 2016
Activity: Talks and presentations › Conference presentations
Approaches to characterize forest structures for wind resource assessment using airborne laser scan data
Dellwik, E. (Main supervisor)
1 Nov 2016 → 30 Jun 2017
Activity: Examinations and supervision › Supervisor activities

European Commission (External organisation)
Hahmann, A. N. (Participant)
Oct 2016 → Nov 2016
Activity: Membership › Membership in review committee

Wind resource error estimation from mesoscale modeling for the Wind Atlas for South Africa
Hahmann, A. N. (Guest lecturer), Volker, P. (Guest lecturer), Hansen, J. C. (Guest lecturer)
31 Oct 2016
Activity: Talks and presentations › Conference presentations

Wind Energy Denmark
Bak, C. (Invited speaker)
27 Oct 2016
Activity: Talks and presentations › Conference presentations

The use of WindScanners in wind energy – Overview and status of WindScanners technology
Mikkelsen, T. K. (Lecturer)
26 Oct 2016
Activity: Talks and presentations › Conference presentations

Wind Energy Denmark
Abrahamsen, A. B. (Organizer)
26 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Norwegian University of Science and Technology
Sandal, K. (Visiting researcher)
Activity: Visiting an external institution › Visiting another research institution

Blade Inspection Damage and Repair Forum
Bak, C. (Invited speaker)
10 Oct 2016
Activity: Talks and presentations › Conference presentations

International Technical Meeting on Air Pollution Modelling and Its Application
Gryning, S. (Participant)
Activity: Attending an event › Participating in or organising a conference

Wind Europe Summit 2016
Meyer Forsting, A. (Participant)
29 Sep 2016
Activity: Attending an event › Participating in or organising a conference

Framework of Multi-Objective Wind Farm Controller Applicable to Real Wind Farms
Kazda, J. (Guest lecturer), Göçmen, T. (Guest lecturer), Giebel, G. (Guest lecturer), Courtney, M. (Guest lecturer), Cutululis, N. A. (Guest lecturer)
28 Sep 2016
Activity: Talks and presentations › Conference presentations
Wind Europe Summit 2016
Badger, M. (Participant)
27 Sep 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Wind Europe Summit 2016
Borraccino, A. (Participant)
26 Sep 2016 → 29 Sep 2016
Activity: Attending an event › Participating in or organising a conference

ScanFlow
High-resolution full-scale wind field measurements of the ECN’s 2.5 MW aerodynamic research wind turbine using DTU's 3D WindScanner and SpinnerLidar for IRPWind's and EERA's benchmark
Hasager, C. B. (Lecturer)
19 Sep 2016
Activity: Talks and presentations › Conference presentations

Journal of Geophysical Research - Part C - Ocean (Journal)
Karagali, I. (Reviewer)
16 Sep 2016
Activity: Research › Peer review of manuscripts

The single tree experiment: 16th EMS Annual Meeting & 11th European Conference on Applied Climatology (ECAC)
Dellwik, E. (Lecturer)
16 Sep 2016
Activity: Talks and presentations › Conference presentations

16th EMS Annual Meeting & 11th European Conference on Applied Climatology
Simon, E. (Speaker)
15 Sep 2016
Activity: Talks and presentations › Conference presentations

16th EMS Annual Meeting & 11th European Conference on Applied Climatology
Gryning, S. (Speaker)
15 Sep 2016
Activity: Talks and presentations › Conference presentations

16th EMS Annual Meeting & 11th European Conference on Applied Climatology
Gryning, S. (Chairman)
15 Sep 2016
Activity: Attending an event › Participating in or organising a conference

Assessing the quality of Synthetic Aperture Radar (SAR) wind retrieval in coastal zones using multiple Lidars
Ahsbahs, T. T. (Speaker), Badger, M. (Speaker), Karagali, I. (Speaker), Larsén, X. G. (Speaker)
12 Sep 2016 → 16 Sep 2016
Activity: Talks and presentations › Conference presentations

WRF idealized-roughness response: PBL scheme and resolution dependence
Kelly, M. C. (Speaker)
12 Sep 2016 → 16 Sep 2016
Activity: Talks and presentations › Conference presentations

A review of state-of-the-art in torque generation and control of floating vertical-axis wind turbines
Schmidt Pautsen, U. (Keynote speaker)
7 Sep 2016 → 9 Sep 2016
Activity: Talks and presentations › Conference presentations
Digital Master Programme in Wind Energy: A new initiative for continuing education
Badger, M. (Speaker)
29 Aug 2016
Activity: Talks and presentations › Conference presentations

DHL Global Forwarding seminar
Hasager, C. B. (Organizer)
26 Aug 2016
Activity: Attending an event › Participating in or organising a conference

Assessment of the Wind Power Production Potential in the North Sea
Sørensen, J. N. (Invited speaker)
24 Aug 2016
Activity: Talks and presentations › Conference presentations

24th International Congress of Theoretical and Applied Mechanics
Rojas Labanda, S. (Participant)
Activity: Attending an event › Participating in or organising a conference

DESCOTOLO
Karagali, I. (Consultant), Floors, R. R. (Consultant), Vignaroli, A. (Consultant), Mann, J. (Consultant)
1 Aug 2016 → 22 Dec 2016
Activity: Public and private sector consultancy › Consultancy

Remote Sensing (Journal)
Karagali, I. (Reviewer)
27 Jul 2016
Activity: Research › Peer review of manuscripts

Education and E-learning
Badger, M. (Speaker)
7 Jul 2016
Activity: Talks and presentations › Conference presentations

IEC 61400-15 meeting/workshop 8 (Event)
Kelly, M. C. (Member)
6 Jul 2016 → 10 Jul 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

WEMC / UK Met Office / Europias Workshop on Climate and Energy
Simon, E. (Participant)
4 Jul 2016 → 7 Jul 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SCIENCE OF MAKING TORQUE FROM WIND (Journal)
Karagali, I. (Reviewer)
30 Jun 2016
Activity: Research › Peer review of manuscripts

Bak, C. (Invited speaker)
22 Jun 2016
Activity: Talks and presentations › Conference presentations
Sizing optimization of frame structures subjected to dynamic stress constraints
Verbart, A. (Speaker), Sandal, K. (Other), Stolpe, M. (Other)
21 Jun 2016
Activity: Talks and presentations › Conference presentations

Stress Constraint Aggregation without Constraint Relaxation in Topology Optimization
Verbart, A. (Speaker), Mathijs Langelaar (Other), Fred van Keulen (Other)
21 Jun 2016
Activity: Talks and presentations › Conference presentations

5th International Conference of Engineering Optimization
Rojas Labanda, S. (Participant)
20 Jun 2016
Activity: Attending an event › Participating in or organising a conference

5th International Conference of Engineering Optimization
Weldeyesus, A. G. (Speaker)
19 Jun 2016 → 23 Jun 2016
Activity: Talks and presentations › Conference presentations

16th EMS Annual Meeting & 11th European Conference on Applied Climatology
Gryning, S. (Organizer)
14 Jun 2016
Activity: Attending an event › Participating in or organising a conference

Rapid upgrading through experimental (self-)disruptive impasse: The case of China's wind turbine industry
Kirkegaard, J. K. (Invited speaker)
12 Jun 2016
Activity: Talks and presentations › Conference presentations

Using SST for improved mesoscale modelling of the coastal zone
Karagali, I. (Speaker)
10 Jun 2016
Activity: Talks and presentations › Conference presentations

ISARS2016
Gryning, S. (Chairman)
8 Jun 2016
Activity: Attending an event › Participating in or organising a conference

Winning the Wind Back during a Market—Quake: The Politics of Wind Power Marketization In China
Kirkegaard, J. K. (Lecturer)
8 Jun 2016 → 10 Jun 2016
Activity: Talks and presentations › Conference presentations

ECCOMAS Congress 2016
Meyer Forsting, A. (Speaker)
7 Jun 2016
Activity: Talks and presentations › Conference presentations

ISARS2016
Borraccino, A. (Speaker)
7 Jun 2016
Activity: Talks and presentations › Conference presentations
Effect of Carrier to Noise Ratio threshold filtering on the long-term wind speed and Weibull distribution parameters for a pulsed heterodyne wind-lidar
Gryning, S. (Speaker)
6 Jun 2016
Activity: Talks and presentations › Conference presentations

ISARS2016
Gryning, S. (Speaker)
6 Jun 2016
Activity: Talks and presentations › Conference presentations

GHRSST Science Team Meeting XVII
Karagali, I. (Participant)
5 Jun 2016 → 10 Jun 2016
Activity: Attending an event › Participating in or organising a conference

EuroTech Summer School 2016 @ EPFL: Energy Systems
Simon, E. (Participant)
4 Jun 2016 → 18 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

IEA Task 36 - Wind Forecasting (External organisation)
Simon, E. (Participant)
1 Jun 2016 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

VindkraftNet 2016 Skærbæk, Denmark
Hasager, C. B. (Participant)
23 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Online teaching at DTU Wind Energy
Badger, M. (Speaker)
19 May 2016
Activity: Talks and presentations › Conference presentations

Acoustic Day 2016
Bak, C. (Organizer)
18 May 2016
Activity: Attending an event › Participating in or organising a conference

Optimal Design Software for Bucket Foundations
Stolpe, M. (Invited speaker)
18 May 2016
Activity: Talks and presentations › Conference presentations

E-læring om vindenergi til fysikundervisningen i gymnasierne
Badger, M. (Speaker)
17 May 2016
Activity: Talks and presentations › Conference presentations

Perdigao NEWA meeting
Meyer Forsting, A. (Speaker)
13 May 2016
Activity: Talks and presentations › Conference presentations
**ESA Living Planet Symposium 2016**
Karagali, I. (Participant)
9 May 2016 → 13 May 2016
Activity: Attending an event › Participating in or organising a conference

**Forskningens Døgn i Roskilde**
Bak, C. (Participant)
30 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Larsen, T. J. (Speaker)
27 Apr 2016 → 28 Apr 2016
Activity: Talks and presentations › Conference presentations

Larsen, T. J. (Invited speaker)
27 Apr 2016 → 28 Apr 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**DTU Wind Energy Department: Danish/Turkish Collaboration and Funds**
Bechmann, A. (Invited speaker)
27 Apr 2016
Activity: Talks and presentations › Conference presentations

**Aalborg University**
Sandal, K. (Visiting researcher)
25 Apr 2016 → 29 Apr 2016
Activity: Visiting an external institution › Visiting another research institution

**I O P Conference Series: Earth and Environmental Science (Journal)**
Karagali, I. (Reviewer)
25 Apr 2016
Activity: Research › Peer review of manuscripts

**E-læring om vindenergi til fysikundervisningen i gymnasierne**
Badger, M. (Speaker)
21 Apr 2016
Activity: Talks and presentations › Conference presentations

**I O P Conference Series: Earth and Environmental Science (Journal)**
Karagali, I. (Reviewer)
20 Apr 2016
Activity: Research › Peer review of manuscripts

**I O P Conference Series: Earth and Environmental Science (Journal)**
Karagali, I. (Reviewer)
20 Apr 2016
Activity: Research › Peer review of manuscripts

**Development towards rotor blades with combined passive and distributed active load control**
Rasmussen, F. (Invited speaker)
19 Apr 2016
Activity: Talks and presentations › Conference presentations
Forskningsens Døgn
Bak, C. (Participant)
16 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Industry meets science, Stavanger, Norway
Larsen, T. J. (Speaker)
6 Apr 2016
Activity: Talks and presentations › Conference presentations

Wind Turbine Loading
Larsen, T. J. (Invited speaker)
6 Apr 2016
Activity: Talks and presentations › Conference presentations

Computers & Fluids (Journal)
Kelly, M. C. (Reviewer)
Mar 2016 → May 2016
Activity: Research › Peer review of manuscripts

Coursera Partnership Conference
Badger, M. (Participant)
20 Mar 2016 → 22 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

E-learning master at DTU
Badger, M. (Speaker)
18 Mar 2016
Activity: Talks and presentations › Conference presentations

Challenges and perspectives in passive and active blade load control
Rasmussen, F. (Invited speaker)
4 Feb 2016
Activity: Talks and presentations › Conference presentations

IEC 61400-15 meeting/workshop 7 (Event)
Kelly, M. C. (Member)
2 Feb 2016 → 5 Feb 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Satellite winds for NEWA offshore: Envisat, Sentinel-1, ASCAT, and lifting method
Badger, M. (Speaker)
2 Feb 2016
Activity: Talks and presentations › Conference presentations

Remote sensing for offshore wind energy
Badger, M. (Speaker)
29 Jan 2016
Activity: Talks and presentations › Conference presentations

E-læringsplaner i Vindenergi
Badger, M. (Speaker)
13 Jan 2016
Activity: Talks and presentations › Conference presentations
Near-real-time wind retrievals from S-1 SAR
Badger, M. (Other)
7 Jan 2016
Activity: Talks and presentations › Conference presentations

Coastal Boundary Layer Development, Impacted by terrain inhomogeneity and non-ideal conditions
Kelly, M. C. (Main supervisor), Cavar, D. (Supervisor), Lars Landberg (External examiner)
4 Jan 2016 → 4 Jul 2016
Activity: Examinations and supervision › Supervisor activities

12th EAWE PhD seminar on Wind Energy in Europe
Simon, E. (Organizer)
1 Jan 2016 → 31 May 2016
Activity: Attending an event › Participating in or organising a conference

Courtney, W. T. (Participant)
2015
Activity: Attending an event › Participating in or organising a conference

Sandal, K. (Speaker)
2015
Activity: Talks and presentations › Conference presentations

Approaches to validate wind resource grid data
Larsén, X. G. (Supervisor)
2015
Activity: Examinations and supervision › Supervisor activities

Coastal offshore winds, ocean waves and currents using remote sensing
Larsén, X. G. (Supervisor)
2015 → 2018
Activity: Examinations and supervision › Supervisor activities

Design of large composite structures
Haselbach, P. U. (Lecturer)
2015
Activity: Talks and presentations › Conference presentations

Journal of Renewable and Sustainable Energy (Journal)
Volker, P. (Reviewer)
2015 → ...
Activity: Research › Peer review of manuscripts

NAFEMS Nordic Steering Committee (NNSC) (External organisation)
Mikkelsen, L. P. (Participant)
2015 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Resources (Journal)
Volker, P. (Reviewer)
2015 → ...
Activity: Research › Peer review of manuscripts
Wind Energy (Journal)
Kelly, M. C. (Reviewer)
2015 → …
Activity: Research › Peer review of manuscripts

Continuing education in Wind Energy through E-learning
Badger, M. (Speaker)
17 Dec 2015
Activity: Talks and presentations › Conference presentations

Chairing committee at Dr. Techn. Defence of Jens Nørkær Sørensen, December 11, 2015 (External organisation)
Aagaard Madsen, H. (Chairman)
11 Dec 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Impact of leading edge roughness and erosion on the annual energy production and how to improve it with aerodynamic devices
Bak, C. (Speaker)
10 Dec 2015
Activity: Talks and presentations › Conference presentations

European Academy of Wind Energy (External organisation)
Simon, E. (Chairman)
1 Dec 2015 → 15 Nov 2018
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

EWEA Annual Conference and Exhibition 2015
Borraccino, A. (Participant)
17 Nov 2015 → 20 Nov 2015
Activity: Attending an event › Participating in or organising a conference

EWEA Annual Conference and Exhibition 2015
Simon, E. (Participant)
17 Nov 2015 → 20 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Innovation from JSME 2015
Jespersen, K. M. (Participant)
14 Nov 2015 → 15 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Offshore winds from satellites: Examples from Chinese and European seas
Badger, M. (Other)
12 Nov 2015
Activity: Talks and presentations › Conference presentations

Science Honours Academy from University of Utrecht, the Netherlands visits DTU Wind Energy
Hasager, C. B. (Organizer)
10 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Wind Turbines
Bak, C. (Lecturer)
10 Nov 2015
Activity: Talks and presentations › Conference presentations
Challenges of using composite materials for large wind turbine blades
Mikkelsen, L. P. (Lecturer)
2 Nov 2015
Activity: Talks and presentations › Conference presentations

Remote Sensing of Environment (Journal)
Karagali, I. (Reviewer)
31 Oct 2015
Activity: Research › Peer review of manuscripts

Experimental investigations of flow over terrain for wind energy
Mann, J. (Invited speaker)
21 Oct 2015
Activity: Talks and presentations › Conference presentations

3D Wind Field Measurements obtained with DTU Wind Energy's Space and Time Synchronized WindScanners
Mikkelsen, T. K. (Invited speaker)
19 Oct 2015
Activity: Talks and presentations › Conference presentations

Recent developments in Free Material Optimization for design of composite structures
Stolpe, M. (Invited speaker)
13 Oct 2015
Activity: Talks and presentations › Conference presentations

Determination of an Optimum Sector Size for Plan Position Indicator Measurements using a Long Range Coherent Scanning Atmospheric Doppler LiDAR: Presentation for Public Defence at Uppsala University, Sweden
Simon, E. (Lecturer)
2 Oct 2015
Activity: Talks and presentations › Conference presentations

Boundary-Layer Meteorology (Journal)
Kelly, M. C. (Reviewer)
Sep 2015 → Dec 2015
Activity: Research › Peer review of manuscripts

WAsP Online course
Kelly, M. C. (Lecturer)
Sep 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

IEC 61400-15 meeting/workshop 6 (Event)
Kelly, M. C. (Member)
29 Sep 2015 → 2 Oct 2015
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

Reducing the Sensitivity to Leading Edge Roughness and Enhancing AEP and Long-Term Performance by Applying Aerodynamic Devices
Bak, C. (Speaker)
29 Sep 2015
Activity: Talks and presentations › Conference presentations

Probabilistic Gust Characterization
Hannesdóttir, Á. (Speaker)
24 Sep 2015
11th EAWE PhD seminar on Wind Energy in Europe
Meyer Forsting, A. (Speaker)
23 Sep 2015
Activity: Talks and presentations › Conference presentations

Implications of upscaling - challenges and perspectives
Rasmussen, F. (Lecturer)
22 Sep 2015
Activity: Talks and presentations › Conference presentations

Wind resources
Badger, M. (Lecturer)
21 Sep 2015
Activity: Talks and presentations › Conference presentations

Seminar on small turbines
Bechmann, A. (Invited speaker)
18 Sep 2015
Activity: Talks and presentations › Conference presentations

Danish Centre for Composite Structures and Materials for Wind Turbines (DCCSM)
Haselbach, P. U. (Speaker)
16 Sep 2015 → 17 Sep 2015
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

The DTU 10MW Reference Wind Turbine
Bak, C. (Lecturer)
15 Sep 2015
Activity: Talks and presentations › Conference presentations

ESA Advanced Training in Land Remote Sensing
Karagali, I. (Participant)
14 Sep 2015 → 18 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

15th European Meteorological Society Annual meeting
Gryning, S. (Chairman)
10 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Wind profile modelling using WAsP and ‘tall’ wind measurements
Floors, R. R. (Speaker)
10 Sep 2015
Activity: Talks and presentations › Conference presentations

Reducing the uncertainty of near-shore wind estimations using wind lidars and mesoscale models
Floors, R. R. (Speaker)
8 Sep 2015
Activity: Talks and presentations › Conference presentations
15th EMS Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM)
Gryning, S. (Organizer)
7 Sep 2015 → 11 Sep 2015
Activity: Attending an event › Participating in or organising a conference

Computers & Fluids (Journal)
Kelly, M. C. (Reviewer)
Jul 2015 → Sep 2015
Activity: Research › Peer review of manuscripts

20th International Conference on Composite Materials (ICCM20)
Haselbach, P. U. (Speaker)
20 Jul 2015 → 24 Jul 2015
Activity: Talks and presentations › Conference presentations

GHRSST XVI Science Team Meeting
Karagali, I. (Participant)
20 Jul 2015 → 24 Jul 2015
Activity: Attending an event › Participating in or organising a conference

3rd International Conference Energy and Meteorology
Gryning, S. (Speaker)
26 Jun 2015
Activity: Talks and presentations › Conference presentations

WEng [WAsP-Engineering] course
Kelly, M. C. (Lecturer)
15 Jun 2015 → 17 Jun 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Ocean winds from satellites – applications for offshore wind energy
Badger, M. (Speaker)
11 Jun 2015
Activity: Talks and presentations › Conference presentations

11th World Congress of Structural and Multidisciplinary Optimization
Rojas Labanda, S. (Participant)
9 Jun 2015
Activity: Attending an event › Participating in or organising a conference

11th World Congress of Structural and Multidisciplinary Optimisation
Weldeyesus, A. G. (Speaker)
7 Jun 2015 → 12 Jun 2015
Activity: Talks and presentations › Conference presentations

Offshore CREYAP Part 2 - final results
Mortensen, N. G. (Invited speaker)
3 Jun 2015
Activity: Talks and presentations › Conference presentations

Challenges in developing +10 MW Wind Turbines
Bak, C. (Lecturer)
2 Jun 2015
Activity: Talks and presentations › Conference presentations
EWEA Technology Workshop
Borraccino, A. (Participant)
2 Jun 2015 → 3 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Scientific Computing Using Python - 1
Jespersen, K. M. (Participant)
2 Jun 2015 → 4 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

NORCOWE SAC (External organisation)
Buhl, T. (Participant)
1 Jun 2015 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

IEC 61400-15 and TC-88 (External organisation)
Kelly, M. C. (Member)
May 2015 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

12th German Wind Energy Conference DEWEK 2015
Borraccino, A. (Speaker)
Activity: Talks and presentations › Conference presentations

Fracture Mechanics for Laminated Composite Structures
Jespersen, K. M. (Participant)
18 May 2015 → 22 May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

IOVWST Meeting 2015
Karagali, I. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Project review for RCUK Energy Programme – March 2015 (External organisation)
Aagaard Madsen , H. (Participant)
10 May 2015
Activity: Membership › Membership in review committee

Microscale Meteorology: turbulence, measurement, and boundary-layer parameterization (Københavns Universitet)
Kelly, M. C. (Lecturer)
Apr 2015 → Aug 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

PLENARY - An overview of recent research on AM and OAM of wind turbine noise
Aagaard Madsen , H. (Speaker)
23 Apr 2015
Activity: Talks and presentations › Conference presentations

6th International Meeting on Wind Turbine Noise
Zhu, W. J. (Speaker)
20 Apr 2015 → 23 Apr 2015
Activity: Talks and presentations › Conference presentations
European Geosciences Union General Assembly 2015
Sempreviva, A. M. (Organizer)
17 Apr 2015
Activity: Attending an event › Participating in or organising a conference

Fremtidens vindenergi – en magisters historie på Risø og DTU
Mortensen, N. G. (Speaker)
15 Apr 2015
Activity: Talks and presentations › Conference presentations

Wake Conference 2015 (Event)
Kelly, M. C. (Reviewer)
Mar 2015 → Apr 2015
Activity: Research › Peer review of manuscripts

WAaP Online course
Kelly, M. C. (Lecturer)
Mar 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Assessment of Doppler lidar as tool for wind environment mapping around a windbreak
Angelou, N. (Participant)
16 Mar 2015 → 22 May 2015
Activity: Other

DCAMM 15th Internal Symposium
Rojas Labanda, S. (Participant)
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Modelling of Wind Turbine Blades with ABAQUS
Bitsche, R. (Speaker)
12 Mar 2015
Activity: Talks and presentations › Conference presentations

EWEA Offshore 2015 Conference
Buhl, T. (Organizer)
10 Mar 2015 → 12 Mar 2015
Activity: Attending an event › Participating in or organising a conference

EWEA Offshore 2015 Conference
Simon, E. (Participant)
10 Mar 2015 → 12 Mar 2015
Activity: Attending an event › Participating in or organising a conference

Offshore CREYAP Part 2 – preliminary results
Mortensen, N. G. (Invited speaker)
10 Mar 2015
Activity: Talks and presentations › Conference presentations

IEC 61400-15 and TC-88 (External organisation)
Kelly, M. C. (Participant)
Feb 2015 → Apr 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
Review of project proposal at Stanford University - February 2015 (External organisation)
Aagaard Madsen, H. (Member)
25 Feb 2015
Activity: Membership › Membership in review committee

Uncertainty in wind resources: probabilistic methods and quantification
Kelly, M. C. (Guest lecturer)
25 Feb 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

From Trades to Turbines: State-of-the-art in Wind Power Resource Assessment
Hahmann, A. N. (Invited speaker)
24 Feb 2015
Activity: Talks and presentations › Conference presentations

IEC 61400-15 meeting/workshop 4 (Event)
Kelly, M. C. (Participant)
24 Feb 2015 → 27 Feb 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

IQPC Conference - Advances in Rotor Blades for Wind Turbines
Zahle, F. (Invited speaker)
24 Feb 2015
Activity: Talks and presentations › Conference presentations

Buhl, T. (Organizer)
4 Feb 2015 → 6 Feb 2015
Activity: Attending an event › Participating in or organising a conference

Dabrowski, D. (Speaker)
4 Feb 2015 → 6 Feb 2015
Activity: Talks and presentations › Conference presentations

Gallego Calderon, J. F. (Speaker)
4 Feb 2015 → 6 Feb 2015
Activity: Talks and presentations › Conference presentations

E-learning activities at DTU Wind Energy
Badger, M. (Invited speaker)
3 Feb 2015
Activity: Talks and presentations › Conference presentations

Virtual Campus Hub
Badger, M. (Other)
3 Feb 2015
Activity: Talks and presentations › Conference presentations
Winterwind 2015: International Wind Energy Conference
Simon, E. (Participant)
2 Feb 2015 → 6 Feb 2015
Activity: Attending an event › Participating in or organising a conference

Implementation of a hysteretic 3D soil model in an aeroelastic code. Dynamic analysis of an offshore wind turbine in misaligned wind and waves
Schløer, S. (Speaker)
28 Jan 2015
Activity: Talks and presentations › Conference presentations

Boundary-Layer Meteorology (Journal)
Larsén, X. G. (Reviewer)
2014 → 2017
Activity: Research › Peer review of manuscripts

COST Action TU1304 (External organisation)
Sempreviva, A. M. (Chairman)
2014
Activity: Membership › Membership of research networks or expert groups

Coupling Atmospheric and Ocean Wave Models for Storm Simulation
Larsén, X. G. (Main supervisor)
2014 → 2017
Activity: Examinations and supervision › Supervisor activities

Development of e-learning materials
Bitsche, R. (Participant)
2014
Activity: Other

Fiber Reinforced Lightweight Structures
Haselbach, P. U. (Lecturer)
2014
Activity: Other

Journal of Coastal Research (Journal)
Larsén, X. G. (Reviewer)
2014 → 2017
Activity: Research › Peer review of manuscripts

Journal of Fluid Mechanics (Journal)
Larsén, X. G. (Reviewer)
2014 → 2017
Activity: Research › Peer review of manuscripts

Journal of Wind Engineering & Industrial Aerodynamics (Journal)
Larsén, X. G. (Reviewer)
2014 → 2017
Activity: Research › Peer review of manuscripts

Linear Algebra and Optimization Seminar 2014
Rojas Labanda, S. (Participant)
2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Danish Wind Power: Presentation at NREL Dec 2014
Ram, B. (Lecturer)
Dec 2014
Activity: Talks and presentations › Conference presentations

DTU Sustain Conference 2014
Karagali, I. (Speaker)
17 Dec 2014
Activity: Talks and presentations › Conference presentations

Wind in the sea around Iceland
Hasager, C. B. (Invited speaker)
3 Dec 2014
Activity: Talks and presentations › Conference presentations

Release of BECAS v3.0
Bitsche, R. (Participant)
Nov 2014
Activity: Other

The Offshore Wind Energy Potential of Iceland
Hasager, C. B. (Invited speaker)
25 Nov 2014
Activity: Talks and presentations › Conference presentations

ABYSS: Optimal design of offshore wind turbine support structures
Buhl, T. (Lecturer)
24 Nov 2014
Activity: Talks and presentations › Conference presentations

International Conference on Giant Offshore Wind Turbines
Bak, C. (Participant)
24 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

WEng [WAsP-Engineering] course
Kelly, M. C. (Lecturer)
24 Nov 2014 → 26 Nov 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

UDTU: Education in University Teaching at DTU - Module 3
Bitsche, R. (Participant)
5 Nov 2014 → 7 Nov 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

IEA task 32 (Lidar)
Borraccino, A. (Speaker)
4 Nov 2014 → 6 Nov 2014
Activity: Talks and presentations › Conference presentations

Public Engagement Strategies for Wind Energy: Are We on the Right Track?
Ram, B. (Lecturer)
Oct 2014
Activity: Talks and presentations › Conference presentations
WEng Online course
Kelly, M. C. (Lecturer)
Oct 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

ESA SOLAS EO for Ocean-Atmosphere Interactions Science
Hasager, C. B. (Participant)
28 Oct 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Teaching and Learning
Mortensen, N. G. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Using a 1-d model to reproduce diurnal SST signals
Karagali, I. (Speaker)
Activity: Talks and presentations › Conference presentations

Wind Operator Congress Europe
Mikkelsen, T. K. (Participant)
28 Oct 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Observations and modeling of the wind profile and wind turning in the atmospheric boundary layer
Floors, R. R. (Speaker)
7 Oct 2014
Activity: Talks and presentations › Conference presentations

Observations of the boundary-layer height and the wind profile in the marine boundary layer
Floors, R. R. (Speaker)
7 Oct 2014
Activity: Talks and presentations › Conference presentations

Selected research results from Danish offshore wind farms
Buhl, T. (Lecturer)
25 Sep 2014
Activity: Talks and presentations › Conference presentations

UDTU: Education in University Teaching at DTU - Module 2
Bitsche, R. (Participant)
24 Sep 2014 → 26 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Seminar on small turbines
Bechmann, A. (Invited speaker)
19 Sep 2014
Activity: Talks and presentations › Conference presentations

UDTU: Education in University Teaching at DTU - Module 1
Bitsche, R. (Participant)
16 Sep 2014 → 19 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Danish Smart Grid Research Network Event, Wind and the Smart Grid
Basit, A. (Participant)
15 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Aerodynamics on Eroded Blades and How to Improve AEP
Bak, C. (Lecturer)
11 Sep 2014
Activity: Talks and presentations › Conference presentations

OBIDAM 14
Karagali, I. (Participant)
8 Sep 2014 → 9 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Estuarine, Coastal and Shelf Science (Journal)
Karagali, I. (Reviewer)
26 Aug 2014
Activity: Research › Peer review of manuscripts

The 2014 Sandia Wind Turbine Blade Workshop
Aagaard Madsen, H. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DTU Energy Conversion 2nd International PhD Summer School
Jespersen, K. M. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Wind Energy (Journal)
Volker, P. (Reviewer)
1 Aug 2014 → 1 Jun 2015
Activity: Research › Peer review of manuscripts

Group for High Resolution Sea Surface Temperature (External organisation)
Karagali, I. (Member)
30 Jul 2014
Activity: Membership › Membership of research networks or expert groups

11th World Congress on Computational Mechanics, 5th European Conference on Computational Mechanics, 6th European Conference on Computational Fluid Dynamics
Rojas Labanda, S. (Participant)
24 Jul 2014
Activity: Attending an event › Participating in or organising a conference

Large-scale Free Material Optimization on 3D design domains by an interior point method
Stolpe, M. (Speaker)
22 Jul 2014
Activity: Talks and presentations › Conference presentations

11th World Congress on Computational Mechanics, 5th European Conference on Computational Mechanics, 6th European Conference on Computational Fluid Dynamics
Weldeyesus, A. G. (Speaker)
Activity: Talks and presentations › Conference presentations

**American Meteorological Society, Bulletin (Journal)**
Kelly, M. C. (Reviewer)
Jun 2014 → Nov 2014
Activity: Research › Peer review of manuscripts

**Hard Bop and Cool Jazz**
Ram, B. (Lecturer)
Jun 2014
Activity: Talks and presentations › Conference presentations

**Dislocation boundary formation and effect of high angle boundaries in nano copper crystals during in-situ TEM deformation**
Zhang, X. (Invited speaker)
18 Jun 2014
Activity: Talks and presentations › Conference presentations

**Probabilistic Meteorological Characterization for Turbine Loads**
Kelly, M. C. (Speaker)
18 Jun 2014
Activity: Talks and presentations › Conference presentations

**SAR for wind energy**
Badger, M. (Lecturer)
13 Jun 2014
Activity: Talks and presentations › Conference presentations

**The 15th GHRSST Science Team Meeting**
Karagali, I. (Participant)
2 Jun 2014 → 6 Jun 2014
Activity: Attending an event › Participating in or organising a conference

**Weather Intelligence for Renewable Urban Areas**
Sempreviva, A. M. (Organizer)
2 Jun 2014 → 3 Jun 2014
Activity: Attending an event › Participating in or organising a conference

**Site Suitability/Assessment, and WEng**
Kelly, M. C. (Lecturer)
27 May 2014 → 30 May 2014
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**ESA SciNet 2014**
Karagali, I. (Participant)
14 May 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Sea-surface roughness and wave characteristics-The variety of expressions**
Larsen, S. E. (Lecturer)
14 May 2014 → 17 May 2014
Activity: Talks and presentations › Conference presentations

**Wind Resource Assessment and WAsP**
Kelly, M. C. (Lecturer)
13 May 2014 → 16 May 2014
European Geosciences Union General Assembly 2014
Sempreviva, A. M. (Organizer)
27 Apr 2014 → 2 May 2014
Activity: Attending an event » Participating in or organising a conference

Wind energy - Issues you did not know
Clausen, N. (Lecturer)
24 Apr 2014
Activity: Talks and presentations » Conference presentations

Participation in A2e planning meeting to be held 16-18 April 2014 at the National Renewable Energy Laboratory, in Golden, Colorado. (External organisation)
Aagaard Madsen, H. (Participant)
16 Apr 2014 → 18 Apr 2014
Activity: Membership » Membership in review committee

How to use CFD for long-term energy assessments
Bechmann, A. (Invited speaker)
8 Apr 2014
Activity: Talks and presentations » Conference presentations

5th International Conference on The Science of Making Torque from Wind 2014 (Event)
Kelly, M. C. (Reviewer)
Mar 2014 → Jun 2014
Activity: Research » Peer review of manuscripts

A I P Conference Proceedings Series (Journal)
Kelly, M. C. (Reviewer)
Mar 2014 → May 2014
Activity: Research » Peer review of manuscripts

Is the Power Density of Large Offshore Wind Farms Limited?
Volker, P. (Speaker)
27 Mar 2014
Activity: Talks and presentations » Conference presentations

Advancing beyond shallow waters: Structural optimization of wind turbine substructures
Stolpe, M. (Speaker)
26 Mar 2014
Activity: Talks and presentations » Conference presentations

EERA DTOC wake results offshore
Hasager, C. B. (Speaker)
12 Mar 2014
Activity: Talks and presentations » Conference presentations

Geophysical and Astrophysical Fluid Dynamics (Journal)
Kelly, M. C. (Reviewer)
Feb 2014 → Jul 2014
Activity: Research » Peer review of manuscripts

Advances in Science and Research (Journal)
Karagali, I. (Reviewer)
17 Feb 2014
Activity: Research › Peer review of manuscripts

**EERA DeepWind 2014 - 11th Deep Sea Offshore Wind R&D Conference**
Buhl, T. (Organizer)
22 Jan 2014 → 25 Jan 2014
Activity: Attending an event › Participating in or organising a conference

**EERA Design Tool for Offshore wind farm Cluster (DTOC)**
Hasager, C. B. (Invited speaker)
22 Jan 2014
Activity: Talks and presentations › Conference presentations

**INNWIND.EU. Overview of project and recent results**
Jensen, P. H. (Invited speaker)
22 Jan 2014
Activity: Talks and presentations › Conference presentations

**Journal of Geophysical Research - Part C - Ocean (Journal)**
Karagali, I. (Reviewer)
10 Jan 2014
Activity: Research › Peer review of manuscripts

**DCAMM 14th Internal Symposium**
Rojas Labanda, S. (Participant)
2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**DCAMM's Videnskabelige Råd (External organisation)**
Mikkelsen, L. P. (Participant)
2013 → …
Activity: Membership › Membership of comittees, commissions, boards, councils, associations, organisations, or similar

**Design of Lightweight Composite Structures**
Haselbach, P. U. (Lecturer)
2013
Activity: Other

**IEA Task 31 2nd Annual Meeting**
Sogachev, A. (Speaker)
2013
Activity: Talks and presentations › Conference presentations

**Journal of Geophysics Research (Journal)**
Larsén, X. G. (Reviewer)
2013 → 2017
Activity: Research › Peer review of manuscripts

**The behaviour of wind wind power during Nordic storms**
Larsén, X. G. (Main supervisor)
2013
Activity: Examinations and supervision › Supervisor activities

**EarthTemp Arctic SST Meeting**
Karagali, I. (Speaker)
18 Dec 2013 → 19 Dec 2013
Activity: Talks and presentations › Conference presentations
Megavind strategy – Increasing the owners’ value of wind in energy systems with large shares of wind (External organisation)
Sørensen, P. E. (Secretary)
Nov 2013 → Sep 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Graded structures in materials: Microstructure, strength and application
Zhang, X. (Speaker)
29 Nov 2013
Activity: Talks and presentations › Conference presentations

First Offshore Comparative Resource and Energy Yield Assessment Procedures (CREYAP)
Mortensen, N. G. (Invited speaker)
21 Nov 2013
Activity: Talks and presentations › Conference presentations

EWEA Offshore 2013
Buhl, T. (Organizer)
19 Nov 2013 → 21 Nov 2013
Activity: Attending an event › Participating in or organising a conference

Topical Expert Meeting on "Challenges of wind energy in complex terrain"
Sogachev, A. (Speaker)
12 Nov 2013
Activity: Talks and presentations › Conference presentations

Flow stabilization in submicron-sized copper crystals by introducing high angle boundaries
Zhang, X. (Invited speaker)
28 Oct 2013
Activity: Talks and presentations › Conference presentations

Interior point methods for the variable thickness sheet problem
Stolpe, M. (Invited speaker)
27 Sep 2013
Activity: Talks and presentations › Conference presentations

9th European Academy of Wind Energy PhD seminar in Wind Energy in Europe
Haselbach, P. U. (Participant)
18 Sep 2013 → 20 Sep 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

2013 EUMETSAT Meteorological Satellite Conference and 19th American Meteorological Society AMS Satellite Meteorology, Oceanography, and Climatology Conference
Karagali, I. (Speaker)
16 Sep 2013 → 20 Sep 2013
Activity: Talks and presentations › Conference presentations

The European Energy Research Alliance (EERA) – Aligning National and European Wind Energy Research
Madsen, P. H. (Speaker)
10 Sep 2013 → 12 Sep 2013
Activity: Talks and presentations › Conference presentations

Methods for large-scale variable thickness sheet problems
Stolpe, M. (Invited speaker)
8 Sep 2013 → 13 Sep 2013
**Sea Surface Temperature Diurnal Variability Regional Extend – Implications in Atmospheric Modelling**
Karagali, I. (Speaker)
8 Sep 2013 → 13 Sep 2013
Activity: Talks and presentations › Conference presentations

**Microstructure and strength: graded nanostructures in materials**
Zhang, X. (Speaker)
23 Aug 2013
Activity: Talks and presentations › Conference presentations

**Vortex wake models with application to yawed rotor**
Branlard, E. S. P. (Speaker)
6 Aug 2013
Activity: Talks and presentations › Conference presentations

**19th International Conference on Composite Materials**
Zike, S. (Participant)
29 Jul 2013
Activity: Attending an event › Participating in or organising a conference

**ECCOMAS Multibody Dynamics 2013**
Gallego Calderon, J. F. (Participant)
1 Jul 2013 → 4 Jul 2013
Activity: Attending an event › Participating in or organising a conference

**Geophysical and Astrophysical Fluid Dynamics (Journal)**
Kelly, M. C. (Reviewer)
Jun 2013 → Aug 2013
Activity: Research › Peer review of manuscripts

**Journal of the Atmospheric Sciences (Journal)**
Kelly, M. C. (Reviewer)
Jun 2013 → Nov 2013
Activity: Research › Peer review of manuscripts

**Comparative Resource and Energy Yield Assessment Procedures (CREYAP) Pt. II**
Mortensen, N. G. (Invited speaker)
26 Jun 2013
Activity: Talks and presentations › Conference presentations

**14th GHRSSST Science Team Meeting**
Karagali, I. (Speaker)
17 Jun 2013 → 21 Jun 2013
Activity: Talks and presentations › Conference presentations

**Design tool for offshore clusters: objectives of the project**
Madsen, P. H. (Speaker)
6 Jun 2013
Activity: Talks and presentations › Conference presentations

**Journal of Geophysical Research: Atmospheres (Journal)**
Kelly, M. C. (Reviewer)
May 2013 → Jul 2013
Activity: Research › Peer review of manuscripts
Optimal design of laminated composite beams with mass, stiffness, and frequency constraints
Blasques, J. P. A. A. (Speaker)
23 May 2013
Activity: Talks and presentations › Conference presentations

10th World Congress on Structural and Multidisciplinary Optimization
Weldeyesus, A. G. (Speaker)
19 May 2013 → 23 May 2013
Activity: Talks and presentations › Conference presentations

The variable thickness sheet problem revisited
Stolpe, M. (Lecturer)
19 May 2013 → 24 May 2013
Activity: Talks and presentations › Conference presentations

6th International Conference on Composites Testing and Model Identification
Zike, S. (Participant)
22 Apr 2013 → 24 Apr 2013
Activity: Attending an event › Participating in or organising a conference

DCAMM 14th Internal Symposium
Haselbach, P. U. (Participant)
Mar 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Uncertainties in wind resource assessment
Mortensen, N. G. (Lecturer)
19 Mar 2013
Activity: Talks and presentations › Conference presentations

Offshore wind resource assessment
Mortensen, N. G. (Lecturer)
18 Mar 2013
Activity: Talks and presentations › Conference presentations

DCAMM 14th Internal Symposium
Zike, S. (Participant)
13 Mar 2013 → 15 Mar 2013
Activity: Attending an event › Participating in or organising a conference

DCAMM 14th Internal Symposium
Weldeyesus, A. G. (Speaker)
13 Mar 2013 → 15 Mar 2013
Activity: Talks and presentations › Conference presentations

DCAMM 14th Internal Symposium
Gallego Calderon, J. F. (Participant)
13 Mar 2013 → 15 Mar 2013
Activity: Attending an event › Participating in or organising a conference

Wind Energy: Strengthing the collobaration between Denmark and Japan
Madsen, P. H. (Speaker)
9 Mar 2013
Activity: Talks and presentations › Conference presentations
10th Deep Sea Offshore Wind R & D Conference
Haselbach, P. U. (Participant)
Feb 2013
Activity: Attending an event › Participating in or organising a conference

DTU-KAIST Workshop
Karagali, I. (Speaker)
21 Feb 2013 → 22 Feb 2013
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

European Wind Energy Conference & Exhibition 2013
Litong-Palima, M. (Speaker)
6 Feb 2013
Activity: Talks and presentations › Conference presentations

Journal of Renewable and Sustainable Energy (Journal)
Kelly, M. C. (Reviewer)
Jan 2013 → Feb 2013
Activity: Research › Peer review of manuscripts

Meteorological Applications (Journal)
Kelly, M. C. (Reviewer)
Jan 2013 → Mar 2013
Activity: Research › Peer review of manuscripts

Weather Research & Forecasting User Tutorial
Karagali, I. (Participant)
28 Jan 2013 → 5 Feb 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

10th Deep Sea Offshore Wind R & D Conference
Buhl, T. (Organizer)
24 Jan 2013 → 25 Jan 2013
Activity: Attending an event › Participating in or organising a conference

8th WES workshop
Litong-Palima, M. (Speaker)
23 Jan 2013
Activity: Talks and presentations › Conference presentations

Participation in A2e planning meeting January 20-21, 2013 at the Virginia Tech Executive Briefing Center in Arlington, Virginia. (External organisation)
Aagaard Madsen , H. (Participant)
20 Jan 2013 → 21 Jan 2013
Activity: Membership › Membership in review committee

Composite Structures (Journal)
Bitsche, R. (Reviewer)
2012 → …
Activity: Research › Peer review of manuscripts

Consiglio Nazionale delle Ricerche (External organisation)
Sempreviva, A. M. (Member)
2012 → 30 Apr 2014
Activity: Membership › Board duties in companies, associations, or public organisations
On the predictability of Hub Height Winds
Larsén, X. G. (External examiner)
2012
Activity: Examinations and supervision › External examination

Flow distortion at a dense forest edge
Dellwik, E. (Speaker)
3 Dec 2012
Activity: Talks and presentations › Conference presentations

Præsentation om planerne om en vindtunnel på DTU
Bak, C. (Lecturer)
7 Nov 2012
Activity: Talks and presentations › Conference presentations

I E T Renewable Power Generation (Journal)
Sørensen, P. E. (Editor)
Activity: Research › Journal editor

TKI WoZ Advisory Board Meeting (External organisation)
Buhl, T. (Participant)
1 Oct 2012 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Polymers - Experimental characterization and numerical predictions
Zike, S. (Participant)
19 Sep 2012 → 20 Sep 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Præsentation om planerne om en vindtunnel på DTU
Bak, C. (Lecturer)
18 Sep 2012
Activity: Talks and presentations › Conference presentations

Cold-drawn pearlitic steel wire and its applications
Zhang, X. (Invited speaker)
30 Aug 2012
Activity: Talks and presentations › Conference presentations

Local and mesoscale atmospheric impacts of wind farms
Larsén, X. G. (External examiner)
26 Aug 2012
Activity: Examinations and supervision › External examination

Censor at University of Copenhagen, Institute of Geography and Geology
Hasager, C. B. (External examiner)
24 Aug 2012
Activity: Examinations and supervision › External examination
Composites Design Workshop VII
Zike, S. (Participant)
14 Aug 2012 → 23 Aug 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Fundamental properties of discrete topology optimization problems
Stolpe, M. (Lecturer)
20 Jun 2012 → 21 Jun 2012
Activity: Talks and presentations › Conference presentations

Global optimization by branch-and-bound methods – Part I
Stolpe, M. (Lecturer)
20 Jun 2012 → 21 Jun 2012
Activity: Talks and presentations › Conference presentations

Global topology optimization by branch-and-bound methods – Part II
Stolpe, M. (Lecturer)
20 Jun 2012 → 21 Jun 2012
Activity: Talks and presentations › Conference presentations

Global topology optimization by local branching
Stolpe, M. (Lecturer)
20 Jun 2012 → 21 Jun 2012
Activity: Talks and presentations › Conference presentations

Trajectories of material interpolation schemes
Stolpe, M. (Speaker)
20 Jun 2012 → 21 Jun 2012
Activity: Talks and presentations › Conference presentations

An alternative material interpolation scheme (RAMP) for minimum compliance topology optimization
Stolpe, M. (Lecturer)
19 Jun 2012 → 20 Jun 2012
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Djøf - Representative of scientific and administrative staff (VIP/TAP) (External organisation)
Olsen, K. H. (Participant)
12 Jun 2012 → 31 Dec 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Optimizing Reliability using BECAS - an Open-Source Cross Section Analysis Tool
Bitsche, R. (Speaker)
11 Jun 2012
Activity: Talks and presentations › Conference presentations

Multiscale Modelling of Complex Materials
Zike, S. (Participant)
21 May 2012 → 25 May 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EWEA 2012 - European Wind Energy Conference & Exhibition
Litong-Palima, M. (Participant)
16 Apr 2012 → 19 Apr 2012
Activity: Attending an event › Participating in or organising a conference
9th Deep Sea Offshore Wind R&D Seminar
Buhl, T. (Organizer)
19 Jan 2012 → 20 Jan 2012
Activity: Attending an event › Participating in or organising a conference

Advances in Meteorology (Journal)
Larsen, X. G. (Reviewer)
2011 → 2017
Activity: Research › Peer review of manuscripts

QuikSCAT for wind energy resource assessment
Karagali, I. (Speaker)
5 Dec 2011 → 9 Dec 2011
Activity: Talks and presentations › Conference presentations

EWEA offshore 2011
Buhl, T. (Participant)
29 Nov 2011 → 1 Dec 2011
Activity: Attending an event › Participating in or organising a conference

6th Wind Energy Systems Workshop (WES Workshop); 6: SimBa Intra-hour Simulation of the Power Balances
Litong-Palima, M. (Speaker)
8 Nov 2011
Activity: Talks and presentations › Conference presentations

Current status and challenges in wind energy assessment
Gryning, S. (Speaker)
7 Nov 2011
Activity: Talks and presentations › Conference presentations

COST ACTION ES1002 Weather Intelligence for Renewable Energy (External organisation)
Sempreviva, A. M. (Chairman)
1 Nov 2011 → 31 Oct 2014
Activity: Membership › Membership of research networks or expert groups

Overview of the development of wind turbine technology
Rasmussen, F. (Speaker)
Activity: Talks and presentations › Conference presentations

Long Term Research Needs - status and perspectives
Rasmussen, F. (Speaker)
5 Oct 2011
Activity: Talks and presentations › Conference presentations

Introduction to offshore wind resources: WASP for offshore wind farms
Mortensen, N. G. (Lecturer)
21 Sep 2011
Activity: Talks and presentations › Conference presentations

Airfoil design
Bak, C. (Lecturer)
1 Aug 2011 → 5 Aug 2011
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
GHRSST XII Science Team Meeting
Karagali, I. (Participant)
27 Jun 2011 → 1 Jul 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

European Wind Energy Technology Platform - TPWind (External organisation)
Buhl, T. (Participant)
1 Jun 2011 → …
Activity: Membership › Membership of research networks or expert groups

Member of Industrial Advisory Board, University of Strathclyde - Doctoral Training Centre (External organisation)
Aagaard Madsen, H. (Participant)
1 Jun 2011 → 31 Dec 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Comparison of Resource and Energy Yield Assessment Procedures
Mortensen, N. G. (Invited speaker)
11 May 2011
Activity: Talks and presentations › Conference presentations

Trends in Wind Energy Technology Development
Rasmussen, F. (Speaker)
10 May 2011 → 12 May 2011
Activity: Talks and presentations › Conference presentations

Ocean winds for wind power using stellite winds
Hasager, C. B. (Speaker)
27 Apr 2011
Activity: Talks and presentations › Conference presentations

Fra atomkraft til vindenergi
Mikkelsen, T. K. (Speaker)
13 Apr 2011
Activity: Talks and presentations › Conference presentations

Aerodynamics and aero-elastics
Rasmussen, F. (Speaker)
16 Mar 2011
Activity: Talks and presentations › Conference presentations

DCAMM 13th internal Symposium
Weldeyesus, A. G. (Speaker)
14 Mar 2011 → 16 Mar 2011
Activity: Talks and presentations › Conference presentations

EWEA Annual Event 2011
Karagali, I. (Participant)
14 Mar 2011 → 17 Mar 2011
Activity: Attending an event › Participating in or organising a conference

Power performance measured using a nacelle-based lidar
Wagner, R. (Speaker)
14 Mar 2011
Activity: Talks and presentations › Conference presentations
WindScanner projektet
Mikkelsen, T. K. (Speaker)
3 Mar 2011
Activity: Talks and presentations › Conference presentations

GIS Techniques in Environmental Sciences
Mortensen, N. G. (Participant)
14 Feb 2011 → 19 Feb 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Land og kystvindmøller
Lemming, J. K. (Organizer)
26 Jan 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Planning and Development of Wind Farms
Litong-Palima, M. (Participant)
3 Jan 2011 → 21 Jan 2011
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Energinet.dk working group on Technical regulation 3.2.5 for wind power plants (External organisation)
Sørensen, P. E. (Participant)
2010 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Advanced WASP Course
Mortensen, N. G. (Guest lecturer)
22 Nov 2010 → 26 Nov 2010
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

The new State-of-the-Art report and the European Experience in SafeWind and other projects
Giebel, G. (Speaker)
16 Oct 2010
Activity: Talks and presentations › Conference presentations

Industri i verdensklasse
Jensen, P. H. (Participant)
6 Oct 2010
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Scientific Committee for NOWITECH (External organisation)
Buhl, T. (Participant)
1 Oct 2010 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

2010 EUMETSAT Meteorological Satellite Conference
Karagali, I. (Speaker)
20 Sep 2010 → 24 Sep 2010
Activity: Talks and presentations › Conference presentations

ESA EO Summer School
Karagali, I. (Participant)
2 Aug 2010 → 13 Aug 2010
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Poster presentation: Diurnal Variability of Sea Surface Temperature and Wind
Karagali, I. (Speaker)
2 Aug 2010 → 13 Aug 2010
Activity: Talks and presentations › Conference presentations

GAP funding (DTU internal GAP funding committee) (External organisation)
Buhl, T. (Participant)
1 Aug 2010 → 1 Aug 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

11th GHRSST Science Team Meeting
Karagali, I. (Participant)
21 Jun 2010 → 25 Jun 2010
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Ocean Vector Winds Science Team Meeting 2010
Karagali, I. (Participant)
18 May 2010 → 20 May 2010
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Supervision of larger projects at DTU
Mortensen, N. G. (Participant)
2 Mar 2010
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Renewable and Sustainable Energy (Journal)
Mikkelsen, T. K. (Reviewer)
1 Jan 2010 → …
Activity: Research › Journal editor

Journal of Renewable and Sustainable Energy (Journal)
Mikkelsen, T. K. (Reviewer)
1 Jan 2010 → …
Activity: Research › Journal editor

Measnet Site Assessment Working Group (External organisation)
Mortensen, N. G. (Participant)
2009 → 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Wind Energy (Journal)
Bitsche, R. (Reviewer)
2009 → …
Activity: Research › Peer review of manuscripts

Wind Energy (Journal)
Larsén, X. G. (Reviewer)
2009 → 2017
Activity: Research › Peer review of manuscripts

Wind Energy (Journal)
Larsén, X. G. (Reviewer)
2009 → 2017
Activity: Research › Peer review of manuscripts
The Bolund Experiment: Blind Comparison of Models for Wind in Complex Terrain
Bechmann, A. (Speaker)
14 Dec 2009 → 18 Dec 2009
Activity: Talks and presentations › Conference presentations

Guidelines on the Technical Certification Scheme for the Design, Manufacture, Installation, Maintenance and Service of Wind Turbines
Madsen, P. H. (Speaker)
4 Dec 2009
Activity: Talks and presentations › Conference presentations

The role of standards in the development of the wind industry
Madsen, P. H. (Speaker)
4 Dec 2009
Activity: Talks and presentations › Conference presentations

Upwind spinner-based lidar measurements from the NM80 wind turbine at Tjæreborg
Hansen, K. H. (Participant)
25 Nov 2009
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Upwind spinner-based lidar measurements from the NM80 wind turbine at Tjæreborg
Sjöholm, M. (Participant)
25 Nov 2009
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Upwind spinner-based lidar measurements from the NM80 wind turbine at Tjæreborg
Mikkelsen, T. K. (Speaker)
25 Nov 2009
Activity: Other

2nd Advanced Training on Ocean Remote Sensing - ESA
Karagali, I. (Participant)
28 Sep 2009 → 2 Oct 2009
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

From the air - wind energy
Madsen, P. H. (Speaker)
17 Sep 2009
Activity: Talks and presentations › Conference presentations

Presentation of the project
Mikkelsen, T. K. (Speaker)
10 Jun 2009
Activity: Talks and presentations › Conference presentations

Presentation of the project
Batchvarova, E. (Speaker)
10 Jun 2009
Activity: Talks and presentations › Conference presentations

Full scale measurements with Pontos
Schmidt Paulsen, U. (Speaker)
25 May 2009 → 26 May 2009
Activity: Talks and presentations › Conference presentations
IEC TC88 WG27: Wind Turbines - Electrical Simulation Models (External organisation)
Sørensen, P. E. (Chairman)
Apr 2009 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Havmølleforskning på de danske universiteter - udfordringer og muligheder
Madsen, P. H. (Speaker)
28 Apr 2009
Activity: Talks and presentations › Conference presentations

Novel aerodynamic control approaches for very marge wind turbine rotors
Rasmussen, F. (Lecturer)
18 Mar 2009
Activity: Talks and presentations › Conference presentations

IEA Wind Task 25 - Design and operation of power systems with large amounts of wind power (External organisation)
Sørensen, P. E. (Participant)
Jan 2009 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

DTU 46200 Planning and Development of Wind Farms
Mortensen, N. G. (Lecturer)
2008 → 2017
Activity: Talks and presentations › Conference presentations

Wind Integration Workshop - International Advisory Committee (External organisation)
Sørensen, P. E. (Participant)
2008 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

European Wind Energy Technology Platform – TPWind. WG3 – Wind energy integration (External organisation)
Sørensen, P. E. (Participant)
Oct 2008 → Nov 2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Cutting-edge clean-tech and energy technologies in Denmark: A happy marriage with the wind turbine industry
Jensen, P. H. (Speaker)
1 Sep 2008 → …
Activity: Talks and presentations › Conference presentations

Cutting-edge clean-tech and energy technologies in Denmark: A happy marriage with the wind turbine industry
Rasmussen, F. (Speaker)
1 Sep 2008 → …
Activity: Talks and presentations › Conference presentations

The role of wind energy in the future energy supply
Giebel, G. (Speaker)
19 Jun 2008 → …
Activity: Talks and presentations › Conference presentations

Wind energy research at Risø DTU
Jensen, P. H. (Speaker)
7 May 2008 → …
Activity: Talks and presentations › Conference presentations
Megavind strategy - Wind Power Plants in the Energy System (External organisation)
Sørensen, P. E. (Participant)
Mar 2008 → Dec 2011
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Danish Standard - S588 Wind Turbines - A11 Power Quality (External organisation)
Sørensen, P. E. (Participant)
2007 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

DTU 46300 Wind Turbine Technology and Aerodynamics
Mortensen, N. G. (Lecturer)
2007 → 2016
Activity: Talks and presentations › Conference presentations

Risø DTU Board of Studies (External organisation)
Mikkelsen, L. P. (Participant)
2007 → 2012
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Wind Energy (Journal)
Sørensen, P. E. (Editor)
1 Mar 2007 → 31 Dec 2013
Activity: Research › Journal editor

The world expedition Galathea 3 seen from Satellite Eye; EGU2007-ES3-1TH4O-001
Hasager, C. B. (Speaker)
1 Jan 2007 → …
Activity: Talks and presentations › Conference presentations

The world expedition Galathea 3 seen from Satellite Eye; EGU2007-ES3-1TH4O-001
Badger, M. (Speaker)
1 Jan 2007 → …
Activity: Talks and presentations › Conference presentations

WAsP days '06
Mortensen, N. G. (Invited speaker)
26 Jan 2006
Activity: Talks and presentations › Conference presentations

WAsP days '05
Mortensen, N. G. (Invited speaker)
24 Jan 2005 → 25 Jan 2005
Activity: Talks and presentations › Conference presentations

Board of Governors, Risø National Laboratory (External organisation)
Mortensen, N. G. (Participant)
2004 → 2007
Activity: Membership › Board duties in companies, associations, or public organisations

IEEE (External organisation)
Sørensen, P. E. (Participant)
2004 → …
Activity: Membership › Membership of research networks or expert groups
IASTED Technical Committee (External organisation)
Sørensen, P. E. (Participant)
Jan 2002 → Dec 2005
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

IEA Wind Task 21 - Dynamic models of wind farms for power system studies (External organisation)
Sørensen, P. E. (Participant)
Jan 2002 → Dec 2005
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

WAsP certification examination
Mortensen, N. G. (Organizer)
2001 → 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

WAsP Certification Exams
Rathmann, O. S. (Internal examiner)
2001 → 2016
Activity: Examinations and supervision › Internal examination

Wind farm wake modelling
Rathmann, O. S. (Other)
2001 → …
Activity: Other

Wind Data Analysis
Rathmann, O. S. (Participant)
2000 → …
Activity: Other

Eurosun 2000 - Technical scientific committee (External organisation)
Sørensen, P. E. (Participant)
Jan 2000 → Jun 2000
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Danish Standard - S588 Wind Turbines - A11 Power Quality (External organisation)
Sørensen, P. E. (Chairman)
1999 → 2007
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Danish Energy Agency - Committee for requirements to wind turbines with other grid connections than directly connected induction generators (External organisation)
Sørensen, P. E. (Participant)
1998 → 1999
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Terrain description software: Map Editor
Rathmann, O. S. (Participant)
1998 → …
Activity: Other
Danish Utilities Research Institute (DEFU) - Working group for recommendations for lightning protection of wind turbines (External organisation)
Sørensen, P. E. (Participant)
1997 → 1999
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Solar Energy Centre Denmark - Coordination committee (External organisation)
Sørensen, P. E. (Participant)
1997 → 2000
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

WAsP Courses: Continued Education
Rathmann, O. S. (Lecturer)
1997 → 2016
Activity: Talks and presentations › Conference presentations

IEC TC88 MT21: Wind Turbines - Measurement and assessment of power quality characteristics of grid connected wind turbines (External organisation)
Sørensen, P. E. (Participant)
1996 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Wind Resource assessments: Various wind farm projects
Rathmann, O. S. (Participant)
1996 → …
Activity: Other

University of Copenhagen (External organisation)
Mortensen, N. G. (Participant)
1994 → 2006
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

National Center for Atmospheric Research
Mortensen, N. G. (Visiting researcher)
10 Jan 1992 → 5 Jul 1992
Activity: Visiting an external institution › Visiting another research institution

WAsP course
Mortensen, N. G. (Participant)
1991 → 2017
Activity: Other

The Øresund Experiment Data Bank: Version 2.0
Mortensen, N. G. (Other)
1 Apr 1987
Activity: Other

Prizes:

AMS 8ENERGY Student Presentation Award
Elliot Simon (Recipient), 5 Feb 2017
Prize: Prizes, scholarships, distinctions
IEC 1996 Award
Poul Ejnar Sørensen (Recipient), 31 Jul 2012
Prize: Prizes, scholarships, distinctions

IEEE Senior Member
Poul Ejnar Sørensen (Recipient), 2007
Prize: Prizes, scholarships, distinctions

MSC: Graduation with distinction
Robert Bitsche (Recipient), 2005
Prize: Prizes, scholarships, distinctions

PhD Award Wind Energy Denmark 2016: Design optimization of jackets
Kasper Sandal (Recipient), 27 Oct 2016
Prize: Prizes, scholarships, distinctions

PhD: Graduation with distinction
Robert Bitsche (Recipient), 2009
Prize: Prizes, scholarships, distinctions

Poster: A quasi 3D computation of merging wakes using a boundary layer equation model approach
Helge Aagaard Madsen (Recipient), 14 Mar 2011
Prize: Prizes, scholarships, distinctions

Poster: Gearbox loads caused by double contact simulated with HAWC2
Torben J. Larsen (Recipient), 14 Mar 2011
Prize: Prizes, scholarships, distinctions

Press clippings:

The Troubled Quest for the Superconducting Wind Turbine
Asger Bech Abrahamsen
26/07/2018
1 item of media coverage
Press / Media

An Overview of 3D X-ray Microscopy
Lars Pilgaard Mikkelsen
19/02/2018
1 media contribution
Press / Media

Global Wind Atlas 2.0
Jake Badger
04/12/2017
1 media contribution
Press / Media

Drømmen får vinger
Asger Bech Abrahamsen
14/11/2017
1 item of media coverage
Press / Media
Vi skal stadig blive klogere på vindmøller (We still need to learn more about wind turbines)
Niels-Erik Clausen & Tom Nervil
17/10/2017
1 media contribution
Press / Media

Forskere foreslår plads til vindmøler i Roskilde
Asger Bech Abrahamsen
27/05/2017
1 media contribution
Press / Media

Sjældent fænomen: Vindmøller kløver skyer over Nordsøen
Charlotte Bay Hasager
15/05/2017
1 media contribution
Press / Media

Vindmøller kløver skyerne over Nordsøen
Charlotte Bay Hasager
01/05/2017
1 media contribution
Press / Media

Forskningsens døgn - forskning for fremtiden
Lars Pilgaard Mikkelsen
29/04/2017
1 item of media coverage
Press / Media

Should we power ahead with very large wind farms?
Patrick Volker, Andrea N. Hahmann, Jake Badger & Hans Ejsing Jørgensen
17/03/2017
1 media contribution
Press / Media

Big can be best when it comes to wind farms
Patrick Volker, Andrea N. Hahmann, Jake Badger & Hans Ejsing Jørgensen
17/03/2017
1 media contribution
Press / Media

Vindmølleparkers logistik er for omkostningstung
Charlotte Bay Hasager
30/11/2016
1 media contribution
Press / Media

Skype dialog på web-tv – Grøn omstilling: Panel diskussion af den grønne omstilling med spørgsmål fra gymnasie elever
Asger Bech Abrahamsen
07/11/2016
1 media contribution
Press / Media

Spørg Scientariet: Hvorfor er vindmøller ikke udstyret med winglets som fly?
Christian Bak
12/07/2016
1 media contribution
Press / Media

Risø i gang med at bygge 'verdens bedste' vindtunnel
Christian Bak
27/06/2016
1 media contribution
Press / Media

42% wind power in Danish power system 2015: Go'morgen P3 2016-01-15
Poul Ejnar Sørensen
15/01/2016
1 media contribution
Press / Media

DTU Wind Energy plans 2nd stage of offshore wind farms project planning tool
Charlotte Bay Hasager
01/01/2016
1 media contribution
Press / Media

Dansk teknologi revolutionerer vindmåling
Torben Krogh Mikkelsen
01/01/2016
1 media contribution
Press / Media

Biofibre på spring til industrien
Bo Madsen
29/05/2015
1 media contribution
Press / Media

DTU vil bruge Vestas' pensionist-mølle til forskning
Thomas Buhl
31/03/2015
1 media contribution
Press / Media

Vestas-mølle til Risø: DTU Vindenergi har investeret i en Vestas V52-mølle fra et strandet projekt i Italien, der har proportionerne til at kunne stå i DTU Risø Campus møllerække
Thomas Buhl
30/03/2015
1 media contribution
Press / Media

Ny og større forskningsvindmølle til Risø Campus: Den karakteristiske vindmøllerække på DTU Risø Campus får til april et nyt medlem – "et ungt frisk pust til plejehjemmet,"
Thomas Buhl
27/03/2015
1 media contribution
Press / Media

Risø-forsker: 50 m/s havde skubbet kronprinsens bil af Storebæltsbroen
Christian Bak
15/01/2015
1 media contribution
Press / Media
Harnessing the power of wind with a learning platform
Merete Badger
19/09/2014
1 media contribution
Press / Media

The Danish National Wind Tunnel moving into detailed design phase
Christian Bak
01/04/2014
1 media contribution
Press / Media

Ny supercomputer optimerer vindmøllevinger
Thomas Buhl
31/03/2014
1 media contribution
Press / Media

Universiteterne mødes på nettet: E-system. Fire tekniske universiteter er forbundet via den europæiske e-infrastruktur eduGAIN.
Merete Badger
01/02/2014
1 media contribution
Press / Media

Vingeforkanter er som dækkene på en bil
Christian Bak
08/12/2013
1 media contribution
Press / Media

Virtual Campus Hub
Merete Badger
04/12/2013
1 media contribution
Press / Media

Her er havmøllernes udfordringer
Thomas Buhl
27/09/2013
1 media contribution
Press / Media

Metropol om grøn energi
Christian Bak
27/08/2013
1 media contribution
Press / Media

Forsker: Lygtepæl skal producere egen strøm
Christian Bak
19/04/2013
1 media contribution
Press / Media
International students get single sign-on for wind energy training: A Danish university avoids unnecessary hassles with user management by exchanging student data in an international identity federation.

Merete Badger
01/01/2013
1 media contribution
Press / Media

DTU's ønskeseddel: Hvor meget supercomputer kan vi få for 9 millioner?
Thomas Buhl
19/12/2012
1 media contribution
Press / Media

Nye software ruster vindmølevinger mod vindstød
Thomas Buhl
09/08/2012
1 media contribution
Press / Media

Dong fastholder troen på havmøller
Thomas Buhl
05/06/2012
1 media contribution
Press / Media

DTU's nye vindtunnel kan blæse tre orkaner
Christian Bak
25/05/2012
1 media contribution
Press / Media

Hvordan kan vindmøller nedbringe en færges luftmodstand?
Mac Gaunaa
27/08/2011
1 media contribution
Press / Media

Nye mega-møller
Torben J. Larsen
30/03/2011
1 media contribution
Press / Media

Hvorfor drejer vingerne samme vej på alle vindmøller, og hvorfor ligger vindmøller altid på en række?
Mac Gaunaa
20/12/2010
1 media contribution
Press / Media

Hvorfor har vindmøller tre vinger?
Mac Gaunaa
13/12/2010
Vindmøller skal flyde på vandet
Troels Friis Pedersen
09/11/2010
1 media contribution
Press / Media

Vindenergi - nu og i fremtiden
Hans Ejssing Jørgensen
17/10/2010
1 media contribution
Press / Media

Kan vindmøller ændre Jordens rotation?
Mac Gaunaa
18/08/2010
1 media contribution
Press / Media

Danske vindmølleekspertater gør Kina miljøvenlig
Niels Gylling Mortensen
18/08/2010
1 media contribution
Press / Media

Strømninger i vandet er den største havvindmølle-udfordring
Troels Friis Pedersen
05/08/2010
1 media contribution
Press / Media

Urealistisk at teste på havet. Om det planlagte vindmølleanlæg ved Østerild Klitplantage
Peter Hjuler Jensen
12/05/2010
1 media contribution
Press / Media

Meisterforscher
Peter Hauge Madsen
01/03/2010
1 media contribution
Press / Media

Supernøjagtig måling kan øge vindproduktion markant
Troels Friis Pedersen
15/02/2010
1 media contribution
Press / Media

Risø-forsøg med lynhurtige flaps på møllevinger er en succes
Helge Aagaard Madsen
11/02/2010
1 media contribution
Press / Media
Nye vindmøllevinger efterligner høgen
Thomas Buhl
18/01/2010
1 media contribution
Press / Media

Nye vindmøllevinger efterligner høgen: Høgens evne til at finjustere sine vinger har givet forskere fra Risø DTU inspiration til en ny type vindmøller. De første prototyper testes nu.
Thomas Buhl
18/01/2010
1 media contribution
Press / Media

Jorden set fra oven
Charlotte Bay Hasager
12/12/2009
1 media contribution
Press / Media

Wind energy still going at full speed: Stadig fuld kraft på vindenergi
Peter Hauge Madsen
07/12/2009
1 media contribution
Press / Media

Spild af vindenergi giver ingen miljøkatastrofer
Sten Tronæs Frandsen
03/09/2009
1 media contribution
Press / Media

Dansk projekt knækker vindmøllers turbulensproblemer
Thomas Buhl
17/08/2009
1 media contribution
Press / Media

Flaps på møllevinger reducerer turbulensproblemer
Thomas Buhl
17/08/2009
1 media contribution
Press / Media

Modvindsbil
Mac Gaunaa
06/01/2009
1 media contribution
Press / Media