Research outputs:

Experimental observation of fatigue degradation in a composite wind turbine blade
Research output: Research - peer-review › Journal article – Annual report year: 2019

Modeling multiple failures of composite box beams used in wind turbine blades
Research output: Research - peer-review › Journal article – Annual report year: 2019

Trailing edge sub-component testing for wind turbine blades - Part A: Comparison of concepts
Research output: Research - peer-review › Journal article – Annual report year: 2019

Understanding progressive failure mechanisms of a wind turbine blade trailing edge section through subcomponent tests and nonlinear FE analysis
Research output: Research - peer-review › Journal article – Annual report year: 2019

Wind Turbine Surface Damage Detection by Deep Learning Aided Drone Inspection Analysis
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2018

BLATIGUE Project Report-Standard Static Tests of a 14.3 m Olsen Wing Blade
Research output: Research - peer-review › Report – Annual report year: 2018

Buckling and progressive failure of trailing edge subcomponent of wind turbine blade
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2018

DTU - Drone inspection images of wind turbine
Research output: Research › Dataset – Annual report year: 2019

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

'Testing report on blade subcomponents' Work Package 7.1: Efficient blade structure Deliverable number 7.1.2 Part A 'Tests on blade sub parts'
Research output: Research › Report – Annual report year: 2018

Experimental investigation on structural collapse of a large composite wind turbine blade under combined bending and torsion
Collapse of a 47-meter composite blade under combined bending and torsion in a full-scale static test
Research output: Research - peer-review › Journal article – Annual report year: 2017

Revisiting the structural collapse of a 52.3 m composite wind turbine blade in a full-scale bending test: Structural collapse of a 52.3 m composite wind turbine blade
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

Structural integrity of wind turbines impacted by tropical cyclones: A case study from China
Research output: Research - peer-review › Journal article – Annual report year: 2016

Structural failure analysis of wind turbines impacted by super typhoon Usagi
Research output: Research - peer-review › Journal article – Annual report year: 2016

Failure investigation on a coastal wind farm damaged by super typhoon: A forensic engineering study
Research output: Research - peer-review › Journal article – Annual report year: 2015

Post-mortem study on structural failure of a wind farm impacted by super typhoon Usagi
Research output: Research - peer-review › Journal article – Annual report year: 2015

Failure test and finite element simulation of a large wind turbine composite blade under static loading
Research output: Research - peer-review › Journal article – Annual report year: 2014

Numerical analysis and experimental investigation of wind turbine blades with innovative features: Structural response and characteristics
Research output: Research - peer-review › Journal article – Annual report year: 2014

Preliminary failure investigation of a 52.3 m glass/epoxy composite wind turbine blade
Research output: Research - peer-review › Journal article – Annual report year: 2014

Structural performance of a glass/polyester composite wind turbine blade with flatback and thick airfoils
Research output: Research - peer-review › Conference proceedings – Annual report year: 2014

Experimental Study on CFRP-bonded Steel Plates with Thickness Reduction using Underwater Epoxy
Research output: Research - peer-review › Journal article – Annual report year: 2012

Minimum thickness of welding patches to recover structural performance of steel pipe piles under compression
Research output: Research - peer-review › Journal article – Annual report year: 2012

Tensile and Compressive Test on Thickness-Reduced Steel Plate Repaired by CFRP Strand Sheet and Underwater Epoxy with Bond Defects
Research output: Research - peer-review › Paper – Annual report year: 2012

Compression behaviors of thickness-reduced steel pipes repaired with underwater welds
Research output: Research - peer-review › Journal article – Annual report year: 2011

Evaluation of repair design on corrosion-damaged steel pipe piles using welded patch plates under compression
Research output: Research - peer-review › Journal article – Annual report year: 2011
Mechanical Properties of Fillet Weld Joints by Underwater Wet Welding in Repairing Corrosion-Damaged Offshore Steel Structures
Research output: Research - peer-review › Journal article – Annual report year: 2010

Experimental study on strength and ductility of underwater fillet welds in repairing offshore steel structures
Research output: Research - peer-review › Paper – Annual report year: 2009

Projects:

Advanced methods for blade MOonitoring UNder full-scale Testing (AMOUNT)
Project: PhD

Verification of Structural Properties for Bend-Twist Coupled Wind Turbine Blades
Project: PhD

Villum Center for Advanced Structural and Material Testing
Project: Research

Activities:

Structural degradation of a large composite wind turbine blade in a full-scale fatigue test
Activity: Talks and presentations › Conference presentations