Research outputs:

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

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

Experimental investigation on structural collapse of a large composite wind turbine blade under combined bending and torsion
Research output: Research - peer-review › Journal article – Annual report year: 2017

Collapse of a 47-meter composite blade under combined bending and torsion in a full-scale static test
Research output: Research - peer-review › Article in proceedings – 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 › Conference 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 › Paper – 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
Preliminary failure investigation of a 52.3 m glass/epoxy composite wind turbine blade

Structural performance of a glass/polyester composite wind turbine blade with flatback and thick airfoils

Experimental Study on CFRP-bonded Steel Plates with Thickness Reduction using Underwater Epoxy

Minimum thickness of welding patches to recover structural performance of steel pipe piles under compression

Tensile and Compressive Test on Thickness-Reduced Steel Plate Repaired by CFRP Strand Sheet and Underwater Epoxy with Bond Defects

Compression behaviors of thickness-reduced steel pipes repaired with underwater welds

Evaluation of repair design on corrosion-damaged steel pipe piles using welded patch plates under compression

Mechanical Properties of Fillet Weld Joints by Underwater Wet Welding in Repairing Corrosion-Damaged Offshore Steel Structures

Experimental study on strength and ductility of underwater fillet welds in repairing offshore steel structures

Projects:

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

Project: PhD

Projects Center for Advanced Structural and Material Testing

Activities:

Structural degradation of a large composite wind turbine blade in a full-scale fatigue test