Aerodynamics and rain rivulet suppression of bridge cables with concave fillets
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Scenario Based Approach for Load Identification
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

A smart base restraint for wind turbines to mitigate undesired effects due to structural vibrations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Biomechanically Excited SMD Model of a Walking Pedestrian
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Comparative analysis of bridge cables with concave fillets
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

Design and calibration of a semi-active control logic to mitigate structural vibrations in wind turbines
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Optimization of bridge cables with concave fillets
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

Real-time monitoring and structural control of a wind turbine using a rocking system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Structural health monitoring approach for detecting ice accretion on bridge cables using the autoregressive model
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Structural Health Monitoring approach for detecting ice accretion on bridge cable using the Haar Wavelet Transform
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Wind turbines and seismic hazard: a state-of-the-art review
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Aerodynamics of bridge hangers in smooth and turbulent flow and implications on aeroelastic stability
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Effects of ice accretion on the aerodynamics of bridge cables
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Effects of surface roughness and cross-sectional distortion on the wind-induced response of bridge cables in dry conditions
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Evaluation of Damping Using Frequency Domain Operational Modal Analysis Techniques
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Fretting fatigue behavior of high-strength steel monostrands under bending load
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Preliminary evaluation of two new cable surface innovations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Probabilistic Assessment of the Occurrence and Duration of Ice Accretion on Cables
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Spherical tuned liquid damper for vibration control in wind turbines
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

A construction and a tension element comprising a cable and a plurality of strakes
Georgakis, C. T. & Kleissl, K., 2014, IPC No. E01D11/00; E01D11/02; E01D11/04; E01D19/16; F15D1/10, Patent No. WO2014001515A1, 3 Jan 2014

A construction and a tension element comprising a cable and one or more strakes
Georgakis, C. T. & Kleissl, K., 2014, IPC No. E01D11/00; E01D11/02; E01D11/04; E01D19/16; F15D1/10, Patent No. WO2014001514A1, 3 Jan 2014

A Semi-active Control System for Wind Turbines
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2014 › Research › peer-review
Evaluation of Damping Using Time Domain OMA Techniques
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Identification of aeroelastic forces and static drag coefficients of a twin cable bridge stay from full-scale ambient vibration measurements
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Measurement of Local Deformations In Steel Monostrands Using Digital Image Correlation
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Recent advances in our understanding of vertical and lateral footbridge vibrations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Structural monitoring and smart control of a wind turbine
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Aerodynamic coefficients of plain and helically filleted twin circular cylinders for varying wind angles of attack
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Change in mass and damping on vertically vibrating footbridges due to pedestrians
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Change in mass and damping on vertically vibrating footbridges due to pedestrians
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2013 › Research › peer-review

Determination of aerodynamic damping and force coefficients of filleted twin cables in dry conditions through passive-dynamic wind tunnel tests
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Determination of aerodynamic damping of twin cables in wet conditions through passive-dynamic wind tunnel tests
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review
Effects of surface roughness and cross-sectional distortions on the wind-induced response of bridge cables in dry conditions
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Experimental evaluation of the fretting fatigue behavior of high-strength steel monostrands
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2013 › Research › peer-review

Experimental study of the effect of icing on the aerodynamics of circular cylinders - Part II: Inclined flow
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Preliminary probabilistic prediction of ice/snow accretion on stay cables based on meteorological variables
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Tuned rolling-ball dampers for vibration control in wind turbines
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Understanding and controlling wind-induced vibrations of bridge cables: Results from the Femern Crossing research project
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Aerodynamic force coefficients of plain bridge cables in wet conditions
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

An evaluation of iced bridge hanger vibrations through wind tunnel testing and quasi-steady theory
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

A preliminary probabilistic framework of the assessment of bridge cable fatigue
Research output: Contribution to conference › Paper – Annual report year: 2013 › Research › peer-review

Comparison of several innovative bridge cable surface modifications
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Comparison of the aerodynamics of bridge cables with helical fillets and a pattern-Indented surface
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Effects of bridge cable surface roughness and cross-sectional distortion on aerodynamic force coefficients
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Experimental study of ice accretion on circular cylinders at moderate low temperatures
Identification of aeroelastic forces on twin bridge cables from full-scale measurements in skew winds
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2012 > Research > peer-review

Localized bending fatigue behavior of high-strength steel monostands
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2012 > Research > peer-review

Measurement of localized deformations in high-strength steel cables
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2012 > Research > peer-review

Pedestrian-induced lateral forces on footbridges
Research output: Contribution to journal > Journal article – Annual report year: 2012 > Research > peer-review

Pedestrian-induced lateral vibrations of footbridges: A literature review
Research output: Contribution to journal > Journal article – Annual report year: 2012 > Research > peer-review

Wind-Induced Vibrations in the European Court Towers
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2012 > Research > peer-review

Aerodynamic coefficients of dry inclined cables in smooth flow
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2011 > Research > peer-review

Aerodynamic coefficients of stationary dry inclined bridge cables in laminar flow
Research output: Chapter in Book/Report/Conference proceeding > Article in proceedings – Annual report year: 2011 > Research > peer-review

Aerodynamic control of bridge cables through shape modification: A preliminary study
Research output: Contribution to journal > Journal article – Annual report year: 2011 > Research > peer-review

A preliminary bending fatigue spectrum for steel monostrand cables
Research output: Contribution to journal > Journal article – Annual report year: 2011 > Research > peer-review

A Preliminary Bending Fatigue Spectrum for Steel Monostrand Cables
Fatigue testing of monostrands for stay cables under reversed cyclic flexural loading

Identification of aeroelastic forces on bridge cables from full-scale measurements

Pedestrian-induced lateral forces on footbridges

Recent monitoring of the Øresund Bridge: Observations of rain-wind induced cable vibrations

The Response Spectrum Methodology considering inter- and intra-subject variability

Bridge Cables - and Wind, Rain, Ice and Snow

Bridge ice accretion and de- and anti-icing systems: A review

Lateral human-structure interaction on footbridges

Pedestrian induced vertical vibrations: Response to running using the Response Spectrum Method

Shape modification of bridge cables for aerodynamic vibration control

The new DTU/Force Technology climatic wind tunnel: design, construction and calibration
Aerodynamic instability of a cylinder with thin ice accretion
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Annual Report 2008
Research output: Book/Report › Report – Annual report year: 2009 › Communication

Design Specifications for a Novel Climatic Wind Tunnel for the Testing of Structural Cables
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Drag coefficients of lattice masts from full-scale wind-tunnel tests
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

A NEW GENERAL 3DOF QUASI-STEADY AERODYNAMIC INSTABILITY MODEL
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

A preliminary experimental investigation into lateral pedestrian-structure interaction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Lærebog for broingeniører
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Communication

Seismic Performance of Multi-Span RC Railway Bridges
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Vertical footbridge vibrations: details regarding and experimental validation of the response spectrum methodology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Vertical Footbridge Vibrations: The Response Spectrum Methodology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review
A Preliminary Investigation of the Hanger Vibrations on the Great Belt East Bridge
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Cable Vibration due to Ice Accretions
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Dynamic Increase Factors for High Performance Concrete in Compression using Split Hopkinson Pressure Bar
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Finite element analysis and experimental verification of Polymer reinforced CRC improved for close-in detonation
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Full scale numerical analysis of high performance concrete columns designed to withstand severe blast impact
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Vertical footbridge vibrations: Towards an improved and codifiable response evaluation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Experimental validation and calibration of pedestrian loading models for footbridges
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Nonlinear dynamic of cable stays. Part 2: stochastic cable support excitation
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Nonlinear dynamics of cable stays. Part 1: sinusoidal cable support excitation
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Tuned Liquid Dampers for the New European Court of Justice, Luxembourg
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Wind Engineering for the New European Court of Justice
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Comparison of Seismic Design Methods for Irregular RC Bridges
The influence of cable-deck interaction on the seismic response of cable-stayed bridges
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

ECOEST2/ICONS: Experimental study and perspectives of semi-active oleodynamic devices for seismic protection of structures
Research output: Book/Report › Report – Annual report year: 2001 › Research › peer-review

Non-linear Analysis of Wind-Induced Cable-Deck Interaction
Research output: Contribution to journal › Conference article – Annual report year: 2001 › Research › peer-review

Non-linear dynamics of cable-stays and cable-structure interaction
Research output: Book/Report › Compendium/lecture notes – Annual report year: 2001 › Education

Practical implementation of semi-active control through response-prediciton algorithms
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review

Response Prediction Methods for Semi-Active Control of Structures
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review