Anders Tegtmeier Pedersen - DTU Orbit (30/01/2019)
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Research outputs:

Flywheel Calibration of Coherent Doppler Wind Lidar
Research output: Research - peer-review › Poster – Annual report year: 2018

Flywheel Calibration of Coherent Doppler Wind Lidar
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Polarization Diversity Image-Reject Homodyne Receiver for Directional Radial Velocity Measurements in Light Detection and Ranging (LIDAR) Instruments
Research output: Research › Patent – Annual report year: 2015

A new DTU-lead European Research Infrastructure for 3D Wind Field Measurements using Space and Time Synchronized WindScanners
Research output: Research › Conference abstract in proceedings – Annual report year: 2015

High Resolution Vertical Wind Profile Measurements
Research output: Research › Conference abstract in proceedings – Annual report year: 2015

Performance evaluation of an all-fiber image-reject homodyne coherent Doppler wind lidar
Research output: Research - peer-review › Journal article – Annual report year: 2015

Performance evaluation of an all-fiber image-reject homodyne coherent Doppler wind lidar
Research output: Research - peer-review › Journal article – Annual report year: 2016

An all-fiber image-reject homodyne coherent Doppler wind lidar
Research output: Research - peer-review › Journal article – Annual report year: 2014

Analytic model utilizing the complex ABCD method for range dependency of a monostatic coherent lidar
Research output: Research - peer-review › Journal article – Annual report year: 2014

Effects of Raman scattering in quantum state-preserving frequency conversion
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Theoretical and experimental signal-to-noise ratio assessment in new direction sensing continuous-wave Doppler lidar
Research output: Research - peer-review › Conference article – Annual report year: 2014

Frequency noise in frequency swept fiber laser
Research output: Research - peer-review › Journal article – Annual report year: 2013
Full-Scale Field Test of a Blade-Integrated Dual-Telescope Wind Lidar
Research output: Research - peer-review › Poster – Annual report year: 2013

Full two-dimensional rotor plane inflow measurements by a spinner-integrated wind lidar
Research output: Research - peer-review › Poster – Annual report year: 2013

Retrieving wind statistics from average spectrum of continuous-wave lidar
Research output: Research - peer-review › Journal article – Annual report year: 2013

Demonstration of short-range wind lidar in a high-performance wind tunnel
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Demonstration of short-range wind lidar in a high-performance wind tunnel
Research output: Research › Poster – Annual report year: 2012

Frequency swept fibre laser for wind speed measurements
Research output: Research › Ph.D. thesis – Annual report year: 2012

WindScanner.eu - a new Remote Sensing Research Infrastructure for On- and Offshore Wind Energy
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Accurate simulation of Raman amplified lightwave synthesized frequency sweeper
Research output: Research - peer-review › Journal article – Annual report year: 2011

Frequency Stepped Pulse Train Modulated Wind Sensing Lidar
Research output: Research - peer-review › Conference article – Annual report year: 2011

Simultaneous measurements of wind speed at multiple distances without range ambiguity
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Raman assisted lightwave synthesized frequency sweeper
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Enhancing the capacity of light: biowatch: it's time for a healthcheck
Research output: Communication › Book chapter – Annual report year: 2009

Investigation of noise in Lightwave Synthesized Frequency Sweeper seeded LIDAR anemometers from leakage through the Acousto Optic Modulators
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Measurement and modeling of low-wavelength losses in silica fibers and their impact at communication Wavelengths
Research output: Research - peer-review › Journal article – Annual report year: 2009

Low Wavelength Loss of Germanium Doped Silica Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Electron irradiation-induced destruction of carbon nanotubes in electron microscopes
Research output: Research - peer-review › Journal article – Annual report year: 2007

Transmission Electron Microscopy Study of Individual Carbon Nanotube Breakdown Caused by Joule Heating in Air
Research output: Research - peer-review › Journal article – Annual report year: 2006
Projects:

**TrueWind**
Project: Research

**Frequency swept fiber laser for wind speed measurements**
Project: PhD