Programme for Lifetime Extension and Wind Resources– Research Updates at Vind2024

13.00: Lifetime extension of wind turbines

Introduction: Turbine owner perspective and concerns related to existing turbines near official end of life. Need and hope related to lifetime extension research
Marie Magnusson, *Rabbalshede Kraft*

On service life management and decision support for service life extension
Sebastian Thöns, Lund University, Sweden and BAM Federal Institute for Materials Research and Testing, Berlin, Germany.

Power curtailment impact on loads, fatigue and life time. Experiences from wind turbine design and existing research findings
Anders Wickström and Saptarshi Sarkar, RISE

Reporting from IEA-wind task 42: Current international work on lifetime extensions
Håkan Johansson, Chalmers

New project: Wind turbine lifetime extension: Review and analysis
All

Reflections and questions from the audience

14.40: Break

15.10: Wind resources in Swedish conditions

Introduction: Stefan Ivanell, Uppsala University

Replacing met towers with remote sensing - what does the science say?
Johan Arnqvist, Uppsala University

The potential for truly site specific wind resource assessment over forests
Hugo Olivares Espinosa, Uppsala University

Constraining the role of large-scale circulation for scenarios of changes in wind power density
Jesper Sjolte, Lund University

Active Yaw Control Optimization for Wind Farms: Integrating Neural Networks with Game Theory
Hamidreza Abedi, RISE

Numerical Simulation of a GW-Scale Offshore Wind Farm performed in the EU FLOW project
Stefan Ivanell/ Warit Chanprasert, Uppsala university

Reflections and questions from the audience

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