



International Symposium on Leading Edge Erosion of Wind Turbine Blades

February 4-5, 2020, Roskilde, Denmark

Overview and Objectives

Leading edge erosion of wind turbine blades is one of rather critical problems of the wind energy development. It can lead to more than 5% reduction of annual energy production for wind turbines. As an example, the Danish energy company Ørsted had to repair hundreds of blades at the farm in Anholt in 2016. Citing The Times, "Hundreds of offshore wind turbines in UK waters need emergency repairs after they started eroding within a few years of being installed" (March 15 2018, The Times).

The objective of this Symposium is to discuss ways to predict, control and prevent leading edge erosion of the wind turbine blades, ensuring high reliability of the wind energy generation. The Symposium will bring together experts in the areas of wind energy, meteorology, aerodynamics, coating development, as well as specialists from OEMs, wind blade manufacturers, repair companies. The symposium is organized in the framework of three projects: Innovation Foundation projects "*EROSION: Wind Turbine Blade Erosion-Reducing the largest uncertainties*" and "*DURALEEDGE: Durable leading edges for high tip speed wind turbine blades*".

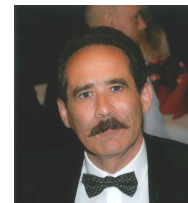
Symposium Topics

- Leading edge erosion mechanisms
- Prediction of erosion
- Meteorology
- Aerodynamics
- Solutions
- Computational modelling
- Coatings and protection
- Sensing and Control

General Information



Charlotte Bay Hasager
Technical University of Denmark
Symposium Chairman



Leon Mishnaevsky Jr.
Technical University of Denmark
Symposium Chairman

Location: The Symposium will take place in Niels Bohr Auditorium, Risø Campus, Roskilde, Denmark.

Abstract Submission and Registration: Please submit the title of your presentation and your short CV/bio (50...100 words, in text format) by e-mail to lemi'at@dtu.dk no later than September 15, 2019. The registration fee for presenting authors is 250 EURO (before October 15, 2019), 400 EURO (after) and 550 EUR (after December 31, 2019). For non-presenting participants, the fee is 350, 500 and 650 EUR, respectively. For the members of Erosion and Duraledge projects, the fee is 220 EUR. The registration includes access to the sessions, a conference program, coffee/refreshment during breaks and dinner.

Industrial product presentation: for the product demonstration, the registration fee is 500 EUR (before November 1, 2019), 600 EURO (after) and 800 EUR (after December 31, 2019).

Web link: <https://www.conferencemanager.dk/LEEWTB>