

Dear Colleagues,

DTU is currently running a research initiative under the IEA Task 54 (<https://iea-wind.org/task54/>) about atmospheric ice accretion on wind turbine blades—including its physics, prediction, and risk—leading to potential reduction of structural integrity and energy performance. The main objective of this IEA Wind Task is to come up with procedures and recommendations for proper simulation and evaluation of this phenomenon. Parts of the work include validation studies amongst an international group of test facilities, and to further link the issue of blade icing to concrete engineering challenges such as pre-construction modelling, UQ, and risk assessment.

We are planning a national dissemination event together with IEA Task 54 members right after the Wind Europe on 11<sup>th</sup> April 2025 where we want to present our work and the aspects surrounding it to Danish industry.

Topics of the IEA Task 54 are:

- Development of an open access Ice Throw tool
- Mesoscale/regional modelling of wind turbine icing
- Icing impact on wind turbines
- Cold climate wind tunnel validation
- Computational Fluid Dynamics code-to-code validations
- Uncertainty Quantification ('UQ')

The event will address the above topics but is not limited to them. A key purpose of this event is to create a dialogue with industry and possible stakeholders rather than a one-way presentation session. For that reason, we would like to invite you and/or some of your colleagues who would be interested in participating in our event. Furthermore, it would be great to know what aspects you would particularly be interested and if you are willing to give a short presentation on how you work with environmental challenges of icing and impacts on specific structures or the built environment in general.

The event is planned for 11<sup>th</sup> of April 2025 from 10:00 to 15:00 at DTU Risø campus. The tentative programme is as follows:

10:00 – 10:10	Welcoming
10:10 – 11:30	Introducing IEA Task 54 activity
11:30 – 12:30	Lunch
12:30 – 13:30	Site visit (Poul LaCour Wind Tunnel / Large Scale Facility)
13:30 – 15:00	Open Forum, ad hoc presentations and Discussion

We invite your contribution to the open forum and/or ad hoc presentation session where you can share your experiences and thoughts related to the topics.

Address: DTU Risø Campus, Building 112, Frederiksborgvej 399, 4000 Roskilde, Denmark (<https://maps.app.goo.gl/vwsAXPsRkvuxsVLr5>)

Date: 11th of April, 2025

Sign up:

[https://docs.google.com/forms/d/e/1FAIpQLSe016Luc\\_5HuHI3jfUzpx3uuRsu4\\_02As6G6akrcPWkgyDoag/viewform?usp=header](https://docs.google.com/forms/d/e/1FAIpQLSe016Luc_5HuHI3jfUzpx3uuRsu4_02As6G6akrcPWkgyDoag/viewform?usp=header)

Please sign up by 1<sup>st</sup> of April.

We would be delighted to hear from you.

Best regards,

DTU IEA Wind TPC Task 54 Team