

WEBINAR

WEBINAR LANGUAGE

English

REGISTRATION

Participants are requested to register online or by email. Please note that the registration is binding. We will confirm your registration by sending the invoice. You will receive your name badges and the list of participants at the conference office before the start of the conference. Please mention the company's invoice address with all other necessary data!

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 Online registration:
https://www.vgb.org/en/operation_wpp_cold_climate_2021.html

ATTENDANCE AT THE WEBINAR

VGB-Members	€ 350,-
Non-Members	€ 500,-
Universities, authorities, pensioners	€ 150,-

Non-German participants with residence in the EU have to indicate their value added tax identification number.

It is not possible to accept credit cards or currency at the conference office.

The attendance fees are VAT free and include the list of participants, and the webinar presentations (after the webinar). The service rate will be shown in the invoice with VAT.

OPENING

January 12, 2021 09:00 h – 17:00 h
 January 13, 2021 08:30 h – 14:00 h

CANCELLATION

The following fees will be charged for the cancellation of the registration:

Up to 14 days prior the conference	€ 50,-
Within 14 days prior the conference	100 %

Only written cancellations are accepted.

PRIVACY POLICY

VGB is committed to protect your privacy. We will only use the information that we collect about you lawfully. We collect information about you to process your order and to provide you with best possible service in future. The documents will list your name, surname, title, function, company and place of business. Photos and videos from the event will be published in VGB publications as well as in other publications and the internet

Supported by Wölfel Group



OPERATION OF WIND POWER PLANTS IN COLD CLIMATE

JANUARY 12/13, 2021



Source: Wölfel Group

Assisted by



WEBINAR PROGRAMME

SUBJECT TO CHANGE

TUESDAY – JANUARY 12, 2021

10:45 **IDD.Blade® field experience – knowledge base for efficient operation in cold climate conditions**
Timo Klaas, Wölfel Wind Systems GmbH

11:30 **Activities of VGB PowerTech in the field of wind energy**
Ulrich Langnickel, VGB PowerTech e.V.

12:00 Break

Operation Optimization I

13:00 **Results of the VGB Research Projects**
- Evaluation of ice detection systems for wind turbines
- Benchmark of blade-based ice detection systems
Rene Cattin, Paul Froidevaux, Meteotest AG

13:45 **Panel discussion**
(Speakers and representatives of the analyzed blade ice detection systems)

14:30 Break

Operation Optimization II

15:00 **The learning curve from frozen cup anemometers to online cameras**
Peter Krohn, Vattenfall AB

15:25 **Lessons learned from our latest R&D project ICE-CONTROL**
Thomas Burchhart, VERBUND Green Power GmbH

15:50 **Predictive blade heating control**
Marc Hauser, BKW AG

16:15 **Panel discussion**

17:00 **End of lecture programme**

WEDNESDAY – JANUARY 13, 2021

Ice Detection I

09:00 **Multi-modal response of a rotor under ice accretion**
Fabio Bertolotti, Nidec SSB Wind Systems GmbH | Nidec Industrial Automation

09:25 **Model-based ice-loss-detection from SCADA data**
Ines Runge, Nordex Energy GmbH

09:50 **Panel discussion**

10:15 Break

Ice Detection II

10:45 **Condition monitoring directly on the blade surface**
Thomas Schlegl, eologix sensor technology GmbH

11:10 **Why reliable ice detection is the centerpiece of optimized operation in cold climates**
Bernd Kuhnle, fos4X GmbH

11:35 **Beyond Ice Detection: How Rotor Blade Monitoring helps you managing your asset**
John Reimers, Weidmüller Monitoring Systems GmbH

12:00 **Panel discussion**

12:45 **End of webinar**

VGB
RESEARCH

Meteotest

Wölfel

polytech **fos4X**

eologix
sensor technology

Weidmüller