



Windfarm Havøygavlen (www.statoilhydro.com)

Ice & Rocks III

Zadar / Croatia

5th & 6th of May 2010

Conference on Wind energy in complex terrain

Ice & Rocks III is an opportunity to exchange experiences with others working in the field of wind energy in complex terrain, with high turbulence intensities and under icing conditions.

The program will gather a large number of representatives from all over Europe and discuss issues like technology development, latest research, operational experiences, policy making and economics. Participants will also get the chance to visit the Wind Farm Ravne on the Island of Pag.

Content

- Operational experiences
- Project design in complex terrain
- Cold climate solutions
- Local wind systems in SE Europe
- Site visit to WF Ravne on Pag
- General discussion

Target group

Energy utilities, meteorological institutions, universities, banks, project developers, investors, wind turbine manufacturers, wind farm operators

Seminar language

English

Programme

5 May

08.30 Registration
09.00 Opening & Welcome

Cold climate solutions

09:30 H. Seifert (University Bremerhaven/D):
Operation of wind turbines under icing conditions
10:30 T. Laakso (Poyry/FI):
Challenges and approaches to wind energy in cold climate
11:00 G. Ronsten (WindREN/SE):
Swedish cold climate wind energy projects

11:30 *Coffee break*

Operational experience

12:00 L. Horvath (Energy Institute Zagreb/HR):
WF Ravne on Island of Pag
12:30 L. Tallhaug (Institute for Energy Technology/NO):
WF Havøygavlen on Norwegian coast
13:00 H. Winkelmeier (Energiewerkstatt/AT):
WF Moschkogel in the Austrian Alps

13.30 *Lunch*

15.00 **Site visit to WF Ravne on Pag (Return: 18.00)**

19.00 *Social event with buffet and live band*

6 May

Local wind systems in SE Europe

09:00 K. Sehbajktarevic (Meteo Institute Sarajevo/BA):
Case studies on synoptic pattern of extreme bura gusts
09:30 V. Srdanovic (Institute for Multidisciplinary Research Belgrade/RS):
Main streams, hard rocks and icing in Serbia and SE Europe

Project design in complex terrain

10:00 H.-T. Mengelkamp (Anemos/DE):
Wind climate simulation over complex terrain
10:30 W. Langreder (Wind Solutions/DK):
The impact of turbulence on power curves
11:00 *Coffee break*
11:30 R. Cattin (Meteotest/SW):
Wind forecasts and experiences with Sodar and Lidar in complex terrain
12:00 F. Durante (DEWI/DE):
Round Robin numerical flow simulation in wind energy
12:30 M. Courtney (Risø DTU/DK):
Wind lidars – Not the final answer in complex terrain!

13.00 *Lunch*

14:00 *Closing*



Venue & Accomodation

Venue:

Hotel Kolovare

Bože Peričića 14; 23 000 Zadar

Tel. +385 23 211 017, 203 200

<http://www.hotel-kolovare.com/>

Accommodation:

Please refer to Ice & Rocks III to take advantage of special prices at Hotel Kolovare:

Reduced tariff for conference participants:

57 € single bed room when booking before 15th of April (standard tariff 105 €)

Organisation and Registration

Registration

energiewerkstatt^o
www.energiewerkstatt.org

CONSULTING ENGINEERS FOR RENEWABLE ENERGY

Christine Kletzl

Heiligenstatt 24, A-5211 Friedburg, Austria

Tel.: +43 7746 28212 - 11, Fax: - 22

office@energiewerkstatt.org

Until 26th of April 2010 with signed registration form per fax or email.

Costs

360 € (excl. VAT) for participation at both days

Coffee & lunch breaks, social event with buffet and live music in the evening of 5th May and a site visit to WF Ravne on Pag are included in the price.

210 € (excl. VAT) for single day participation

Cancellation

Please note that the registration is binding. Registration can be transferred to another person in the same company. When cancelling your participation before April 26th, a booking fee of 50 € will be charged. When cancelling your participation after April 26th, the full participation fee will be charged.

If you want more information or wish to cancel your registration, please contact

office@energiewerkstatt.org



Seminar Organisation

Energiewerkstatt° is a globally operating Engineering Company, which has been developing wind energy projects since 1986. Based on the experience of many wind energy projects in Austria, energiewerkstatt° is specialised in carrying out projects in harsh weather conditions and mountainous regions. Two decades of experience in the implementation of wind energy in Austria are the basis to apply the collected knowledge in new markets, especially SE-Europe. Together with international partners energiewerkstatt° establishes know-how by organising seminars and workshops.

Heiligenstatt 24, A-5211 Friedburg

Phone +43 7746 28212 - 0

www.energiewerkstatt.org

energiewerkstatt°
www.energiewerkstatt.org

Seminar Co-Organisation

The German Wind Energy Institute - DEWI is one of the leading international companies in the field of wind energy. The institute's activities include measurement services, energy analysis and studies, further education, technological, economical and political consultancy for industry, wind farm developers, banks, governments and public administrations.

Ebertstrasse 96, D-26382 Wilhelmshaven,

Phone +49 4421 4808 - 0

www.dewi.de



METEOTEST is a private company based in Bern, Switzerland. They offer a wide range of meteorological and GIS services since 1981. The company is engaged in the field of weather forecast, wind and solar energy assessments, air pollution control and geo-informatics.

Fabrikstrasse 14, CH-3012 Bern

Phone +41 313072626

www.meteotest.ch



Sponsoring



Registration

I herewith would like to register

per Fax: +43 7746 28212-22
or E-mail: office@energiwerkstatt.org

Conference Ice & Rocks III

Conference Fees:

Two days of participation (5th & 6th of May 2010): EUR 360.00 (excl. VAT) (please tick)
Single day of participation (.....th of May 2010): EUR 210.00 (excl. VAT) (please tick)

Coffee/tea and lunches are included in the conference fee, as well as a site visit to the WF Ravne on the Island of Pag and a complimentary dinner with entertainment in the evening on the 5th of May.

First-/ Family name

Company

Street

Postal code, City

Telephone, Fax

E-Mail

UID-Number:

The conditions of participation have been read and accepted.

.....
Date, Place

.....
Signature

Payment modalities: After Energiwerkstatt has received the signed registration form, we forward you the invoice with our banking details.