

DEWEK 2006

8th International Technical Wind Energy Conference First Announcement and Call for Papers

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In 1992 the DEWEK was organised by DEWI for the first time as a basically German event. Today, 14 years later, Germany is the leading wind energy country in installed megawatts and in technology as well. Driven by the world-wide interest in this comprehensive technical and scientific conference we decided to leave our home city Wilhelmshaven and organise the DEWEK 2006 in Bremen. This old and traditional seaport in the north of Germany offers an excellent congress centre, easy access by train and airplane and an interesting town centre well worth seeing with the statue of the Bremen Town Musicians from the well known fairytale of the Brothers Grimm. The city of Bremen is situated in a region with the leading scientific and industrial wind energy activities in Germany represented by many institutions like the Universities of Oldenburg, Hanover and Bremen/Bremerhaven, the manufacturers Enercon, GE, REpower and Multibrid.



Fig. 1: Congress Centrum Bremen



Fig. 2: Bremen Town Musicians

And this is only one facet of the wind energy activities in Northern Germany. With the planned excursion to three different 5 to 6 Megawatt wind turbines on the day after the conference the visitor of the DEWEK 2006 has the unique opportunity to get in touch with the giant wind turbines of the future or to organise by himself visits of the wind energy institutions and companies in that region.

The conference language will be English and German with simultaneous translation, but the written papers and posters, as well as all other publications will be in English only. Together with the small exhibition of manufacturers, suppliers, universities and engineering companies the DEWEK 2006 will be the technical/ scientific market place for the on- and offshore wind energy development. Two days which will be

really worthwhile, because everybody will be there, from home and from abroad. Brief and to the point, the latest information about wind energy technology and research will be offered in far over 100 specialist papers and posters.

The conference topics will focus on multi-megawatt wind turbines and the challenge of far-offshore wind energy application, supplemented by the numerous aspects of technical optimisation to increase economic efficiency, reliability and durability. With 500 participants from over 20 countries attending the last conferences, this event organised by DEWI has already become an institution and is rightly called "The International Technical Wind Energy Conference".

Exhibition in the Conference Centre

As in the previous years, there will be information stands of more than 40 exhibitors representing the whole spectrum of the wind industry. The large number of foreign visitors expected will make it particularly attractive for companies to participate in the exhibition and to present their latest products and developments in technical discussions with the delegates of the conference.



Fig. 3: Enercon E-112 on the DEWI-OCC test site at Cuxhaven

We hope you will find our programme interesting again and look forward to welcoming you on 22 and 23 November 2006 in Bremen for the 8th International Technical Wind Energy Conference, DEWEK 2006.

Jens Peter Molly
(Managing Director of DEWI)

Call for Papers

Interested persons working in the fields of wind energy research, development and application are herewith invited to send electronic abstracts of their contributions by e-mail to the subjects mentioned below to the conference organisers by **02 June 2006** at the latest. The abstract should not be longer than 1 page (DIN A4) and be written in English.

The scientific committee of the DEWEK 2006 will select the contributions and decide whether they should be presented as an oral or a poster contribution. Authors will be informed about the acceptance of their paper not later than **end of July 2006**. The abstracts of the oral contributions and posters are printed in a Book of Abstracts handed out to the conference participants. The authors of the selected contributions will be asked to submit a four-page long electronic version of their work for publishing in the conference proceedings.

Contributions received after this date cannot be accepted for the conference. Please send your abstract preferably by e-mail or by post to:

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Subjects of DEWEK 2006

Proposals for contributions can be submitted for the following subject areas:

1. Performance verification of wind turbines and wind farms (verification of measurements, monitoring, planning/operation comparison, analyses of economic efficiency etc.)
2. New technical developments of wind turbines and components
3. New and further developments, validation of and experience with simulation models (wind structure, short-term wind and power predictions, wind resources, wind farms, mechanical load, wind turbine dynamics, etc.)
4. Measuring methods and measurement results (wind velocity, power performance, acoustic noise, loads, calibration of sensors, etc.)
5. Integration of wind turbines into the grid (grid optimisation, power quality, grid reinforcement, spatial distribution, firm power, optimised network of power plants, energy storages, etc.)
6. Operational experiences (operation and maintenance, repair, life time, error statistics, damage analyses, lessons learned, etc.)
7. Offshore (technology, foundation, loads, grid connection, economy, infrastructure, construction and operation, experiences, measurements, environmental conditions, logistics, etc.)
8. Monitoring: procedures, results, experiences (condition monitoring, wind farm monitoring, load monitoring)

The proposals submitted should be neither "company reports" nor advertising presentations, but have a scientific/technical content presented in public for the first time at DEWEK 2006. The programme committee will evaluate the technical contribution of a submission as well as its general accessibility by the audience. Abstracts will be judged on clarity, significance, relevance, correctness and originality.

Notes for Authors

Summaries of the contributions selected for the conference will be included in a Book of Abstracts and



Fig. 4: Multibrid M5000 at Bremerhaven



Fig. 5: REpower 5M planned to be erected on the DEWI-OCC test site, Cuxhaven

should be written in English. The summary should therefore fulfil the following requirements

1. One page only DIN A4 formatted in Arial 11pt
2. In the first line, title of the presentation followed by a blank line
3. In the next line, name(s) of the author(s), name of speaker first
4. In the next line(s), address(es) of the author(s) (company/institution, street, town, country, tel/fax, e-mail) one line for each author
5. After two blank lines, text of the summary mentioning not only the methodical approach but also the results achieved,
6. Abstracts must be submitted by e-mail compatible with Word for Windows 97. Diagrams and pictures attached as separate files in the formats *.gif, *.tif, *.jpg or *.bmp.

Please leave the following margins: top: 2.5 cm, left: 2.5 cm, right: 2.5 cm, bottom: 3.0 cm. In the top margin, please indicate the most appropriate subject category for your paper.

Registration Fees:

Will be published later. Please note that authors, too, will have to register for the conference and pay the appropriate fee.

Conference language:

Conference languages are English and German. A simultaneous translation will be available for all sessions.

Language of written contributions and posters:

The written contributions for the Book of Abstracts and the Conference Proceedings, as well as the posters, will be in English.

Excursion:

On 24.11.2006 a one day long technical excursion to the three most advanced 5 to 6 Megawatt wind turbines Multibrid M5000, Repower 5M and Enercon E-112 will be organised.

Important Dates:

- 02.06.2006: Last date for the submittal of paper abstracts
- 31.07.2006: Notification of authors about acceptance
- 30.08.2006: Mailing of the provisional programme
- 13.10.2006: Deadline for early registration fees
- 22./23.11.2006: Conference / submittal of written papers
- 24.11.2006: Excursion day

Contact Persons:

- Scientific Organisation:** Dr. Thomas Neumann
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