

1-Day Seminar:

„Wind Turbine Techniques“

Wind energy is a complex and manifold technology and requires a sound knowledge of its possibilities of application in order to provide accurate information for potential clients. What matters is not to conclude a short-term business deal, but to introduce wind energy as a lasting source of energy by supplying objective information and to prove that it can be used successfully. Especially the seminar “Wind Turbine Techniques” aims at understanding the interplay of the various fields of engineering which are necessary to design a wind turbine or its components.

DEWI therefore offers among other subject areas this basic seminar which is directed especially to all those whose jobs require a sound general knowledge of wind energy and its utilisation. During this basic seminar lectures are given by senior engineers of DEWI with years of practical experience in the field of wind energy, which ensures that all questions asked by the participants can be answered competently. Here the basic knowledge is conveyed which will enable you to understand the correlation between technology and its application. The final discussion is reserved for your individual questions, which will be answered in detail. This specific way to convey information has proved to be very successful, which is why we continue to offer our courses in the same form, but of course constantly updated.

This seminar covers the related basics of wind turbine technology. All essential items are discussed and intensively explained. Therefore, this seminar especially aims at engineers and technicians, but also at technically interested sales managers, starting to work in the field of wind energy or wishing to improve their “wind-energetical” knowledge.

Contents

- Development of wind energy use worldwide
- Introduction to wind energy specific meteorology
- Wind turbine technology - types, concepts and sizes
- Energy from the wind
- Power curve
- Basics of rotor aerodynamics, power control
- International Standards and recommendations
- Design philosophy and load assumptions
- Maximum loads, fatigue loads
- Wind park effects
- Wind turbine dynamics
- Electrical concepts and grid connection
- Offshore Aspects
- Final discussion

Target group:

Component & wind turbine manufacturers, project developers, utilities, public authorities, experts

Language:	English
Beginning:	09:00 h
End:	17:00 h
Price:	890 A\$*

*Seminar fee at registration before Sept. 10th '04: 850 A\$

DEWI's Seminars

- Quality by know-how -

The German Wind Energy Institute (DEWI) has many years of international experience and offers commercial services in all aspects dealt with in the seminar.

The seminar is held by **Dr. Helmut Klug**, Vice Managing Director of DEWI, who is an expert with many years of practical experience in technical due diligence and in the fields of power curves (member of the IEC Power Performance MT), wind speed measurements (IEA expert), acoustic measurements (IEC chairman) and energy yield guarantees in purchase contracts.

Since 1991, DEWI has been conducting over 100 wind energy courses and seminars lasting from one day to up to four months. More than 1,500 participants from over 30 countries attended these courses either at DEWI or in other locations around the world. Due to the rapid development of wind energy use during the past few years there has been a strong increase in the demand for comprehensive information about this subject.

Among other course subjects, DEWI offers a 1-day seminar directed in particular to all those whose job requires a profound general knowledge of the technical backgrounds of wind turbine techniques.

The final discussion is reserved for your individual questions which then can be dealt with in detail.

Contact in Australia:

Tel.: +61 (0) 422 167 468

E-Mail: dewi@turnus.biz

Registration FAX: +49 (0) 4421-4808-43

Code	Price	Short title	Date
G 5/04	<input type="checkbox"/> A\$ 890*	WT Techniques	Sept. 28 th , 2004
P 3/04	<input type="checkbox"/> A\$ 890*	Wind Farm Projects	Sept. 29 th , 2004
GP 1/04	<input type="checkbox"/> A\$ 1,600*	Combi-Seminar	Sept. 28/29 th , 2004

Participant's name

Company

Street

Postal code, city

Country

Telephone

Fax

E-mail

Your V.A.T. number

Place _____ Date _____ Signature _____

I have read and accept the conditions and liabilities

I pay by:

cheque enclosed

bank transfer to: Oldenburgische Landesbank
Account No. 901 5050 900
Bank code: 282 200 26

On the payment form please mention:

Seminar code and **name** of participant

Payment by credit card

VISA

MasterCard / Eurocard

Name:

Card No.:

Valid until:

Total sum: A\$

Place _____ Date _____ Signature _____

Place: Melbourne, Australia

Date: Sept. 28th, 2004

Language: English

Participants: Maximum 25 persons

Instructor: Dr. Helmut Klug,
DEWI Vice Managing Director

Seminar fee: 890 A\$*
incl. coffee/tea during breaks

Certificate: Each participant will be given a
participation certificate.

Schedule: 09:00 - 10:30 Seminar
10:30 - 11:00 Coffee break
11:00 - 12:30 Seminar
12:30 - 14:00 Lunch break
14:00 - 15:00 Seminar
15:00 - 15:15 Coffee break
15:15 - 16:30 Seminar
16:30 - 17:00 Final discussion

Seminar documents: All diagrams, tables and figures presented during the seminar with room for own notes will be handed out to the participants at the beginning of the seminar. Current publications on the subject in question, the latest DEWI Magazine with technical and scientific information as well as lecture notes for certain specialist subjects are also included in these documents.

Please note also our current seminar programme, which can be found on our web site:

<http://www.dewi.de>

Conditions and liabilities

Registration will be confirmed by DEWI upon receipt of payment. Please note that your registration is only valid after receipt of payment. DEWI reserves the right to cancel the seminar if the minimum number is not reached. In that case the seminar fee already paid will be fully refunded. If you cancel your registration not less than 20 days before the seminar starts, we will charge a handling fee of € 50.- incl. V.A.T., thereafter and in case of non-appearance, the full fee (100%) will be kept. A substitute person will of course be accepted. If more than one representative of a company register for the same course, a 10% price reduction will be granted for the second and each following participant. Please understand that we can only accept registrations made in writing.

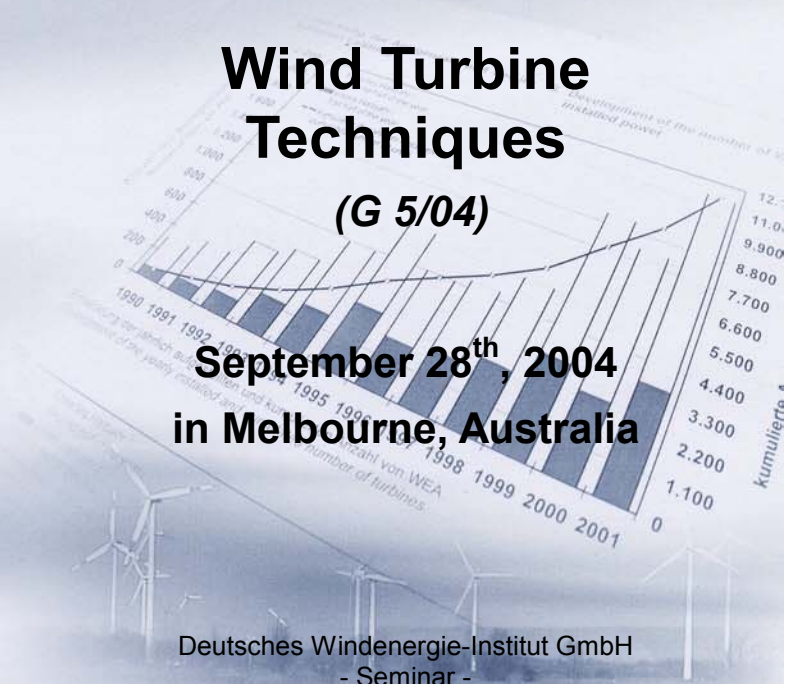
*Seminar fee at registration before Sept. 10th '04: 850 (1,550) A\$

1-Day Seminar:

Wind Turbine Techniques

(G 5/04)

September 28th, 2004
in Melbourne, Australia



Deutsches Windenergie-Institut GmbH
- Seminar -
Ebertstraße 96
D-26382 Wilhelmshaven (Germany)

Tel.: +49 (0) 4421-4808-0

Fax: +49 (0) 4421-4808-43

E-Mail: seminar@dewi.de

Internet: <http://www.dewi.de>