

Application form

Mathias Belpaeme
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Yes, I want to participate to the seminar:
"Offshore Wind Energy"

Participator(s):

Forname:

Name:

Company name:

Address:

Postal code + Town:

Phone:

Email:

Home address:

Postal code + Town:

Billing address (indicate):

- Home address
- Company address

Practical information

Date

The seminar will be organized on Thursday June 4th 2015, registration starts at 08:30.

Costs for the seminar

The participation fee is 50 euro (reduced fee of 40 euro for students). This seminar is carried out with the support of the Lifelong Learning Programme of the European Union.



Registration

Please confirm your participation before Thursday May 28th 2015 by means of

- online registration: [click here](#)

or

- fill in and send the application form to: mathias.belpaeme@kuleuven.be

After registering you will receive an invoice with payment form. The paid registration fee is not refunded afterwards, but if you are unable to attend, it is still possible to have you replaced by someone else.

Language

The course material and the seminar are offered in English.

How to reach us?

The seminar takes place at the following address:
GreenBridge – Wetenschapspark 1 – 8400 Oostende.

Contact

Mathias Belpaeme - Program Coordinator,

- Tel: +32 50 40 59 09
- Email: mathias.belpaeme@kuleuven.be



Invitation

Seminar

"Offshore Wind Energy"

Thursday June 4th 2015

08:30 – 17:30



GreenBridge Wetenschapspark 1 8400 Oostende

In cooperation with:



Introduction

On Thursday June 4th 2015, the Faculty of Engineering Technology of the KU Leuven and the Faculty of Engineering and Architecture of the University of Ghent organize a seminar which offers an overview of the current developments in the Belgian Offshore Wind industry.

On the Belgian part of the North Sea, there are 182 windmills active spread over three wind farms. Their production equals that of a small nuclear power plant (712 megawatt) and is equivalent to the annual consumption of 600.000 households. The capacity of this Belgian part will triple with the construction of five new wind farms during the next years. The realization of these offshore wind farms will provide new and additional opportunities for local companies to contribute towards the development of this sector, by providing expertise, equipment, services, finance and operational support for Offshore Wind Power development activities in Belgium.

The successful development of the offshore wind energy sector needs the availability of skilled staff and so, to professional training and qualification opportunities. KU Leuven and Ghent University are currently developing a **Continuing Study Programme in Offshore Wind Energy**. It will be organized as a part-time study programme for professionals with an academic background.

This seminar is an introduction to the Study Programme in Offshore Wind Energy, which starts in September 2015. It will give an overview in fields such as offshore wind energy technology, grid integration & operation and maintenance. Experts, researchers, industry and university representatives will share their experiences and information on these topics.

Target group: The seminar is open to all people with some technical background and with interest for offshore wind. The participants will find in this seminar an overview of the technology as it is applied in the field of Offshore Wind Energy.

Program

- 08u30** Registration & Welcome Coffee
- 09u00** Welcome
Geert Dangreau, POM
- 09u15** Belgian Offshore Wind Farms: State of the Art and Future Challenges
Eric Antoons, Parkwind
- 10u30** Coffee Break
- 10u50** Offshore Wind Energy: An Overview
Joan Peuteman, KU Leuven
- 11u50** Wind energy in a changing energy market
Jan Desmet, Ghent University
- 12u50** Lunch
- 13u30** Control of Power Electronic Converters in Multi-MW wind turbines
Francisco D. Freijedo, Aalborg University
- 15u30** Coffee Break
- 15u50** Test and monitoring solutions for Offshore Wind turbines
Pieter Jan Jordaens, SIRRIS & OWI-Lab
- 17u05** Introduction to the Study Programme Offshore Wind Energy
Mathias Belpaeme, KU Leuven
- 17u20** Closing
Lieven Vandevelde, Ghent University
- 17u30** Reception

More information on the seminar:
www.fabriekenvoordetekomst.be/seminariewind

Speakers

Eric Antoons has been working for many years in the energy sector where he occupied several functions, mainly in the area of power generation. Since September 2013 he has joined Parkwind as Chief Operations Officer. Parkwind develops, finances, builds and operates wind farms in the North Sea and is a pioneer in offshore wind energy.

Francisco D. Freijedo is working as a postdoctoral researcher at the Department of Energy Technology of Aalborg University. His main research interests are in the areas of ac power conversion. He has been involved in technology and development projects related to multi-MW wind turbines (onshore and offshore), high power drives and multilevel converters. Currently, he is working on the development of active filters for power converters in wind turbines.

Jan Desmet is professor at Ghent University Campus Kortrijk teaching power quality, renewables and industrial electric measurement techniques. His research interests include energy efficiency, renewable energy, power quality and their mutual interactions.

Joan Peuteman currently works at the KU Leuven Technology Campus Ostend with research and educational interests including electricity, digital signal processing, renewable energy and wind energy. He is head of the academic bachelor and master engineering program in electronics-ICT and energy.

Lieven Vandevelde is professor at Ghent University. He coordinates the research on electric power systems at Electrical Energy Laboratory (EELAB). In this research, renewable energy and its integration in electric power systems play a prominent role.

Pieter Jan Jordaens works at SIRRIS since 2010 where he was responsible for the development of measuring equipment, to gain a better understanding of the operations of existing offshore wind turbines and their components, with a view to creating novel, improved designs and optimizing maintenance. Today, he is responsible for further operationalizing and optimizing the Application Lab's existing services. Furthermore, he takes care of business development within the OWI-Lab, to set up innovation projects and shared R&D projects.