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## Call for Papers

10<sup>th</sup> International Workshop on  
**Large-Scale Integration  
of Wind Power  
into Power Systems**  
as well as on  
**Transmission Networks  
for Offshore Wind Power  
Plants**

**25 - 26 October, 2011**  
**Aarhus, Denmark**

Plus Energinet.dk day



**Contact Details and Website**

For more information please visit our website  
[www.windintegrationworkshop.org](http://www.windintegrationworkshop.org)  
or send an e-mail to  
[info@windintegrationworkshop.org](mailto:info@windintegrationworkshop.org)

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## Welcome to Aarhus!

The *International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants* is returning to Denmark. We would like to welcome you to its 10<sup>th</sup> edition, which will be held in Aarhus on **October 25-26, 2011** (Tuesday / Wednesday).

### The Workshop is integrated into a whole Renewable Energy Week:

- **Monday, October 24, 2011:** \_\_\_\_\_  
Option MON1: Solar Integration Workshop  
or Option MON2: Tutorials  
or Option MON3: Wind Forecasting Workshop
- **Tuesday, October 25, 2011** \_\_\_\_\_  
**10<sup>th</sup> Wind Integration Workshop, day 1**
- **Wednesday, October 26, 2011:** \_\_\_\_\_  
**10<sup>th</sup> Wind Integration Workshop, day 2**
- **Thursday, October 27, 2011:** \_\_\_\_\_  
Option THU1: ENERGINET.DK-day  
 (the Danish TSO will give an overview on the status in Denmark and ongoing R&D activities)  
or Option THU2: Field trip A.1 (Wind turbine factory)
- **Friday, October 28, 2011:** \_\_\_\_\_  
Option FRI1: Field trip A.2 (Wind turbine factory)  
or Option FRI2: Field trip B (ENERGINET.DK - TSO operation room)  
or Option FRI3: Field trip C (R&D-facility)

## Presentation of Papers

If you would like to present a paper at this workshop please submit an abstract at:

[www.windintegrationworkshop.org](http://www.windintegrationworkshop.org)

Please attach an abstract of maximum 500 words (free style) as well as a brief summary of the nature of your work and level of expertise by **22 May, 2011**.

Based on this information, authors will be notified of the acceptance of their papers by **22 June, 2011**. Final papers must then be submitted **31 August, 2011** at the latest.

Authors will pay a reduced workshop fee.

All presented papers and posters will be published in the workshop proceedings (ISBN 978-3-9813870-3-2).

All participants are responsible for paying their own travel and hotel expenses.



This workshop, the premier conference in its field, will provide an excellent platform for exchanging knowledge and ideas and sharing experiences around wind energy during two days. Presentations are held by invited speakers from companies and leading research institutes as well as by workshop participants (Call for papers).

### The workshop provides an international forum to:

- discuss technical and economic issues of the large-scale integration of wind power including the recent advances in transmission technologies (AC and DC)
- discuss project experiences
- discuss innovative ideas and present results from ongoing research
- stimulate interdisciplinary thinking between wind energy and power transmission industries, as well as universities
- identify subjects requiring more research efforts.

A major goal is to maintain the platform developed in recent years for discussing and sharing ideas and knowledge regarding the key issues.

An important part of the workshop will be devoted to in-depth discussions and brainstorming.

### Proposed Preferential Topics

- Project experiences related to grid connection
- Smart Grids and Wind Power
- Experiences with large-scale integration of wind power into power systems
- Grid connection technologies – AC and DC strategies
- Advances in on- and offshore wind energy technology and grid connection
- IT technology for a large-scale integration of wind power
- Wind power monitoring and prediction systems
- Energy management systems for on and offshore wind farms
- Modeling of wind turbines and wind farms for system integration studies including methods of testing and verification of compliance with requirements, and technologies (on grid side and wind turbine side) to facilitate integration
- Power balancing methods and solutions, e.g. balance markets, to manage wind power variability in power systems
- Regulations (grid codes) and standards for the grid connection of wind power
- Rules and mechanisms for integrating wind power in electricity markets