


# 11<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*

13 - 15 November 2012 Lisbon, Portugal 

## SELECTED WIND PAPERS FOR “IEEE TRANSACTIONS ON SUSTAINABLE ENERGY”

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The following papers of the **11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants** have been selected as the best papers and are now eligible for a fast track review through the manuscript submission process of the journal **IEEE Transactions on Sustainable Energy**.

▶ **Markets to Facilitate Wind and Solar Energy Integration in the Bulk Power Supply: An IEA Task 25 Collaboration**

M. Milligan (NREL, USA), H. Holttinen (VTT, Finland), L. Söder (Royal Institut of Technology/KTH, Sweden), C. Clark (U.S. Department of Energy, USA), I. Pineda (EWEA, Belgium) WIW12-149

▶ **Analysing High Wind Shutdown on the Power System of Ireland**

P. Coughlan, J. O'Sullivan, N. Kamaluddin, F. McLoughlin (Eirgrid, Ireland) WIW12-006

▶ **Adaptive Control of Grid-Connected Inverters Based on Online Grid Impedance Measurements**

M. Cespedes, J. Sun (Rensselaer Polytechnic Institute, USA) WIW12-201

▶ **Challenges, Experiences and Possible Solutions in Transmission System Operation with Large Wind Integration**

Z. Liu, L. van der Sluis (Delft University of Technology, the Netherlands), W. Winter, H. Paeschke (TenneT TSO, Germany), R. Becker, C. Weber (University of Duisburg-Essen, Germany), J. Eickmann, C. Schroeders (RWTH Aachen, Germany), F. Oldewurtel, L. Roald, T. Krause (ETH Zurich, Switzerland), M. Rogge, P. Gilsdorf (Amprion, Germany), P. Wajant (TransnetBW, Germany) WIW12-104

▶ **Harmonic Model of the Network Bridge Power Converter for Wind Turbine Harmonic Studies**

P. Brogan, N. Goldenbaum (Siemens Wind Power, United Kingdom) WIW12-197

▶ **Type-III Wind Power Plant Harmonic Emissions - Field measurements and aggregation guidelines for adequate representation of harmonics**

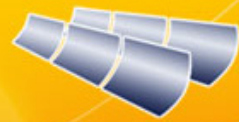
C. Larose, R. Gagnon (IREQ/Hydro-Québec, Canada), P. Prud'Homme, M. Fecteau, M. Asmine (Hydro-Québec, Canada) WIW12-040

▶ **Frequency Controlling Wind Power - Modelling of Control Strategies**

M. Wang-Hansen, R. Josefsson, H. Mehmedovic (ÅF, Sweden) WIW12-078

▶ **Flexible Fault Ride Through of DFIG Wind Turbines with DC-Chopper Solution**

C. Wessels, M. Laubrock, U. Bellgardt (Nordex Energy, Germany), A. Genius (Woodward Kempen, Germany) WIW12-027



## **SELECTED SOLAR PAPERS FOR “IEEE TRANSACTIONS ON SUSTAINABLE ENERGY”**

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The following papers of the **2nd International Workshop on Integration of Solar Power into Power Systems** have been selected as the best papers and are now eligible for a fast track review through the manuscript submission process of the journal **IEEE Transactions on Sustainable Energy**.

- ▶ **Benchmark Networks for Grid Integration Impact Studies of Large PV Plants**  
B.-I. Crăciun, T. Kerekes, D. Sera, R. Teodorescu (Aalborg University, Denmark), A. Timbus (ABB, Switzerland) SIW12-06
- ▶ **Hawaii Solar Integration Study: Solar Modeling Developments and Study Results**  
R. Piwko (GE Energy, USA), D. Corbus (NREL, USA), M. Schuerger (Energy Systems Consulting Services, LLC, USA), M. Matsura, L. Roose (Hawaii Electric Company, USA), K. Orwig (NREL, USA) SIW12-37
- ▶ **Evaluation of Reactive Power Support Interactions Among PV Systems Using Sensitivity Analysis**  
A. Samadi, R. Eriksson, L. Soder (KTH, Sweden) SIW12-46
- ▶ **Cost-optimal Power System Extension Under Flow-based Market Coupling and High Shares of Photovoltaics**  
S. Hagspiel, C. Jägemann, D. Lindenberger (EWI, Germany), S. Cherevatskiy, E. Tröster (Energynautics, Germany) SIW12-67