Penetrating Insights
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Road transport and power system scenarios for Northern Europe in 2030
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Wind power impacts and electricity storage - a time scale perspective
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Advanced Unit Commitment Strategies in the United States Eastern Interconnection
Research output: Book/Report › Report – Annual report year: 2011 › Research

Compressed Air Energy Storage in Offshore Grids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Demand side resource operation on the Irish power system with high wind power penetration
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Effects of electric vehicles on power system investments and operation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Electricity for Road Transport, Flexible Power Systems and Wind Power
Research output: Book/Report › Report – Annual report year: 2011 › Research

Energy networks
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2011 › Research › peer-review

Impact of wind power on the unit commitment, operating reserves and market design
Impacts of large amounts of wind power on design and operation of power systems, results of IEA collaboration
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Influences on dispatch of power generation when introducing electric drive vehicles in an Irish power system year 2020
Research output: Book/Report › Report – Annual report year: 2012 › Research

Methodology for modelling plug-in electric vehicles in the power system and cost estimates for a system with either smart or dumb electric vehicles
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Optimal charging of electric drive vehicles in a market environment
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Optimal configuration of an integrated power and transport system
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Optimization of use of waste in the future energy system
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Power system value of smart versus dumb charging of EVs
Meibom, P. & Kiviluoma, J., 2011
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2011 › Research

Road Transport and Power System Scenarios for Northern Europe in 2030
Juul, N. & Meibom, P., 2011
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2011 › Research

Simulation of short-term forecasts of wind and load for a stochastic scheduling model
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Stochastic Optimization Model to Study the Operational Impacts of High Wind Penetrations in Ireland
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Towards a European renewable-based energy system enabled by smart grid: status and prospects
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Wind power impacts, electricity storage and heat measures - a time scale perspective
The impact of increased interconnection on electricity systems with large penetrations of wind generation: A case study of Ireland and Great Britain
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Coping with Wind Power Variability: How Plug-in Electric Vehicles Could Help
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Database for model analysis within the SUPWIND project – Main sources and assumptions: SUPWIND Deliverable D 5.2
Research output: Book/Report › Report – Annual report year: 2009 › Research

Design and operation of power systems with large amounts of wind power: Final report, IEA WIND Task 25, Phase one 2006-2008
Research output: Book/Report › Book – Annual report year: 2009 › Research peer-review

Importance of Flexible Use of Waste for Energy for the National Energy System
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research peer-review

Influence of large scale wind power and increased energy system flexibility on the optimal long-term power plant portfolio
Influence of market rules for wind integration in the European power markets
Meibom, P. & Weber, C., 2009

Integrating wind: Developing Europe's power market for the large-scale integration of wind power

Integrating Wind. Developing Europe’s power market for the large-scale integration of wind power: Executive Summary

Load-flow based market coupling with large-scale wind power in Europe

Market and grid challenges: planning for large-scale renewables

New tool for integration of wind power forecasting into power system operation

Operational costs induced by fluctuating wind power production in Germany and Scandinavia

Optimal configuration of future energy systems including road transport and vehicle-to-grid capabilities

Power Market Design with a High Wind Power Share: Simulations and Analysis

Transport and Power System Scenarios for Northern Europe in 2030
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Unit Commitment for Systems With Significant Wind Penetration
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

WILMAR: A stochastic programming tool to analyze the large-scale integration of wind energy
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Research › peer-review

Wind. Developing Europe's power market for the large-scale integration of wind power: Final report
Research output: Book/Report › Report – Annual report year: 2009 › Research

WP7 Case analysis of operational management of grids: SUPWIND Deliverable D 7.1
Research output: Book/Report › Report – Annual report year: 2009 › Research

Advanced Tools for the Management of Electricity Grids with Large-Scale Wind Generation (ANEMOS.PLUS). Deliverable D4.1: Description of the Test Cases and Available Data
Research output: Book/Report › Report – Annual report year: 2008 › Research

All island grid study - Results concerning system operation
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2008 › Research

All island grid study. Wind variability management studies
Research output: Book/Report › Book – Annual report year: 2008 › Research › peer-review

Benefits of stochastic scheduling for power systems with significant installed wind power
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

CO2 reduction strategies up to 2020: Danish CO2 reduction scenarios
Research output: Chapter in Book/Report/Conference proceeding › Report chapter – Annual report year: 2008 › Research › peer-review
Comparative assessment of hydrogen storage and international electricity trade for a Danish energy system with wind power and hydrogen/fuel cell technologies
Research output: Book/Report › Book – Annual report year: 2008 › Research › peer-review

Ecogrid.dk Phase 1 WP4 report: New measures for integration of large scale renewable energy
Research output: Book/Report › Report – Annual report year: 2008 › Research

Impacts of large amounts of wind power on design and operation of power systems, results of IEA collaboration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Investments in liberalised power markets. Gas turbine investment opportunities in the Nordic power system
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Operating the Irish power system with increased levels of wind power
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Optimal investment paths for future renewable based energy systems - Using the optimisation model Balmorel
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Simulations of wind power integration with complementary power system planning tools
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

System aspects
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2008 › Research › peer-review

System study of wind Integration for Ireland
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research

Technical and economic impact of high penetration of renewables in an island power system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Unit commitment and dispatch in power systems with wind power using stochastic programming
Meibom, P. & Kristoffersen, T., 2008.
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research
Documentation of databases in the Wilmar planning tool
Kiviluoma, J. & Meibom, P., 2006, Roskilde: Risø National Laboratory. 34 p. (WILMAR Deliverable D6.2(f); No. Risø-R-1554(EN)).
Research output: Book/Report › Report – Annual report year: 2006 › Research

Electricity from biomass in the European Union - with or without biomass import
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Integration of hydrogen as energy carrier in the Nordic energy system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research

Markedsgørelse af forsyningssikkerhed
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Modelling of hydro and wind power in the regulation market
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research

Regional electricity price differences due to intermittent wind power in Germany: impact of extended transmission and storage capacities
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Technical challenges to energy systems' operation and markets
Sørensen, P. E., Meibom, P., Gehrke, O. & Østergaard, J., 2006, Risø energy report 5. Renewable energy for power and transport. Larsen, H. & Sønderberg Petersen, L. (eds.). p. 55-60 (Denmark. Forskningscenter Risoe. Risoe-R; No. 1557(EN)).
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2006 › Research › peer-review

Value of electrical heat boilers and heat pumps for wind power integration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Wilmar joint market model. Documentation
Research output: Book/Report › Report – Annual report year: 2006 › Research

WP9 recommendations
Research output: Book/Report › Report – Annual report year: 2006 › Research

A stochastic unit-commitment model to estimate the costs of changing power plant operation under high amounts of intermittent wind power integration
Energisystemmodellering - energiforsyning, økonomi, marked, planlægning
Meibom, P., 2005.

Extension of wind power - Effects on markets and costs of integration

Flexibility, stability and security of energy supply

Impacts of wind power in the Nordic electricity system in 2010

Indpasning af vedvarende energi i det eksisterende danske energisystem

Investering og prisdannelse på et liberaliseret elmarked

Investments in liberalised power markets

Market integration of wind power

A stochastic energy market model for evaluating the integration of wind energy