Congestion Management in Distribution Networks With Asymmetric Block Offers
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Comprehensive Congestion Management for Distribution Networks based on Dynamic Tariff, Reconfiguration and Re-profiling Product
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Distributed coordinated active and reactive power control of wind farms based on model predictive control
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Enhanced Voltage Control of VSC-HVDC Connected Offshore Wind Farms Based on Model Predictive Control
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Fault Ride Through Enhancement of VSC-HVDC Connected Offshore Wind Power Plants
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2018 › Research › peer-review

MPC based coordinated voltage regulation for distribution networks with distributed generation and energy storage system
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Smart grids innovation challenge
Research output: Chapter in Book/Report/Conference proceeding › Report chapter – Annual report year: 2018 › Research › peer-review

Super-Positioning of Voltage Sources for Fast Assessment of Wide-Area Thévenin Equivalents
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

An Improved On-line Contingency Screening for Power System Transient Stability Assessment
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Considering wind speed variability in real-time voltage stability assessment using Thévenin equivalent methods
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review
Improved method for considering PMU's uncertainty and its effect on real-time stability assessment methods based on Thevenin equivalent

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Improved method for considering PMU's uncertainty and its effect on real-time stability assessment methods based on Thévenin equivalent

Research output: Contribution to conference › Paper – Annual report year: 2015 › Research › peer-review

Integrated smart infrastructures

Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2015 › Research › peer-review

Real-time Distributed Economic Dispatch for Distributed Generation Based on Multi-Agent System

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Review of Real-time Electricity Markets for Integrating Distributed Energy Resources and Demand Response

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

System Frequency as Information Carrier in AC Power Systems

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Thevenin Equivalent Method for Dynamic Contingency Assessment

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Uncertainty-averse TRANSCO planning for accommodating renewable energy in CO2 reduction environment

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Voltage rise mitigation for solar PV integration at LV grids: Studies from PVNET. dk

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Voltage unbalance mitigation in LV networks using three-phase PV systems

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review
Fault Diagnosis for Electrical Distribution Systems using Structural Analysis

FLECH - A Danish market solution for DSO congestion management through DER flexibility services

Future Integration of Wind in the Energy System: and the role of state-of-art experimental facilities
Østergaard, J., 2014

Generating Geospatially Realistic Driving Patterns Derived From Clustering Analysis Of Real EV Driving Data

Impact of equipment failures and wind correlation on generation expansion planning

MOPSO-based multi-objective TSO planning considering uncertainties

New Teaching Environments Near Real-World-Like Laboratories for Power Engineering

Opfølgning på Klima- og Energiministerens Smart Grid Strategi: Forskning, udvikling og demonstration
Østergaard, J., 2014

Power Hardware In The Loop Validation of Fault Ride Through of VSC HVDC Connected Offshore Wind Power Plants

Real-Time Market Concept Architecture for EcoGrid EU—A Prototype for European Smart Grids

Sensitivity based Assessment of Transient Voltage Sags caused by Rotor Swings
Short-Term and Medium-Term Reliability Evaluation for Power Systems With High Penetration of Wind Power
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Smart Energy Networks partnerskab
Østergaard, J., 2014
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2014 › Research

Smart Flexible Energy Solutions for the Future Energy System
Østergaard, J., 2014
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2014 › Research

Smart Grid Research in a Danish Perspective
Østergaard, J., 2014
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2015 › Research

Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Uncertainty in real-time voltage stability assessment methods based on Thevenin equivalent due to PMU’s accuracy
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Voltage-Sensitive Load Controllers for Voltage Regulation and Increased Load Factor in Distribution Systems
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Wide-Area Assessment of Aperiodic Small Signal Rotor Angle Stability in Real-Time
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

A Comprehensive LVRT Control Strategy for DFIG Wind Turbines With Enhanced Reactive Power Support
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

A coordinated dispatch model for electricity and heat in a Microgrid via particle swarm optimization
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

A Flex-market Design for Flexibility Services through DERs
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review
Bornholm Test Island
Østergaard, J., 2013
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2013 › Research

Demand as Frequency-controlled Reserve
Research output: Book/Report › Report – Annual report year: 2013 › Research › peer-review

Design and Evaluation of Autonomous Hybrid Frequency-Voltage Sensitive Load Controller
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Distribution Network Expansion Planning Based on Multi-objective PSO Algorithm
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Effect of Reactive Power Management of PV Inverters on Need for Energy Storage
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Electricity demand profile with high penetration of heat pumps in Nordic area
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

EV Charging Facilities and Their Application in LV Feeders with Photovoltaics
Marra, F., Yang, G., Træholt, C., Larsen, E., Østergaard, J., Blazic, B. & Deprez, W., 2013, In : IEEE Transactions on Smart Grid. 4, 3
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Extension of market concept with market-driven optimisation of distribution system operation
Research output: Book/Report › Report – Annual report year: 2013 › Research › peer-review

Generation Expansion Planning Considering Integrating Large-scale Wind Generation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Grid storage and flexibility
Research output: Chapter in Book/Report/Conference proceeding › Report chapter – Annual report year: 2013 › Research › peer-review

Impact and Cost Evaluation of Electric Vehicle Integration on Medium Voltage Distribution Networks
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review
Coordinated Control Scheme of Battery Energy Storage System (BESS) and Distributed Generations (DGs) for Electric Distribution Grid Operation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Day-ahead tariffs for the alleviation of distribution grid congestion from electric vehicles
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Determination of PV Penetration in LV Networks Considering Stochastic Behavior of Loads and PVs
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Ecogrid EU - a large scale smart grids demonstration of real time market-based integration of numerous small DER and DR
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Efficient determination of distribution tariffs for the prevention of congestion from EV Charging
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Evaluation of Energy Storage System to Support Danish Island of Bornholm Power Grid
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Frequency Stabilizing Scheme for a Danish Island Grid
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Identification of Critical Transmission Limits in Injection Impedance Plane
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Impact Study of Electric Vehicle (EV) Integration on Low Voltage (LV) Grids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Implementation of IEC Generic Model Type 1A using RTDS
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review
Implementation of IEC Generic Model Type 1 Wind Turbine Generators using RTDS
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Investigation of the Adaptability of Transient Stability Assessment Methods to Real-Time Operation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Policies and initiatives for carbon neutrality in nordic heating and transport systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Power-Hardware-in-the-Loop Test of VSC HVDC Connection for Offshore Wind Power Plants
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2012 › Research

Prediction and optimization methods for electric vehicle charging schedules in the EDISON project
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Real-Time Hardware-in-the-Loop Testing for Digital Controllers
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Responsive demand to mitigate slow recovery voltage sags
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Spot Pricing When Lagrange Multipliers Are Not Unique
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

The Impact of Dynamic Electricity Tariff on Long-run Incremental Cost
Electric Vehicles in future market models
Østergaard, J., 2011
Research output: Book/Report › Report – Annual report year: 2011 › Research

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

Expected energy production evaluation for photovoltaic systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Feasibility study of 5MW superconducting wind turbine generator
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

High Temperature Superconductor Machine Prototype
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Hovedrapport for Smart Grid Netværkets arbejde
Research output: Book/Report › Report – Annual report year: 2011 › Research

Impact Study of Electric Vehicle (EV) Integration on Medium Voltage (MV) Grids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Induced Torques on Synchronous Generators from Operation of Wind Power Plant based on Full-Load Converter Interfaced Wind Turbines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Information and Communications Systems for Control-by-Price of Distributed Energy Resources and Flexible Demand
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Model Development for Power System Analysis with a Substantial Wind Energy Capacity Installed in the Nordic grid
Research output: Book/Report › Report – Annual report year: 2011 › Research

Modeling and Control for Islanding Operation of Active Distribution Systems
Multi-agent based controller for islanding operation of active distribution networks with distributed generation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

New Real-Time Market Facilitating Demand-Side Resources for System Balancing
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Optimal charging schedule of an electric vehicle fleet
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Oscillatory Stability and Eigenvalue Sensitivity Analysis of A DFIG Wind Turbine System
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Potential Analysis of Electric Vehicle (EV) Grid Integration
Research output: Book/Report › Report – Annual report year: 2011 › Research

Potential Analysis of Regulating Power from Electric Vehicle (EV) Integration in Denmark
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Power-Hardware-In-the-Loop (PHIL) Test of VSC-based HVDC connection for Offshore Wind Power Plants (WPPs)
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Power Oscillation Damping Controller for Wind Power Plant Utilizing Wind Turbine Inertia as Energy Storage
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Real-Time Stability Assessment based on Synchrophasors
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Security assessment for intentional island operation in modern power system
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review
Design and Implementation of Frequency-responsive Thermostat Control

DNP Communication Function with RTDS: GTNET-DNP& ASE Interface Test Results

Driving Pattern Analysis for Electric Vehicle (EV) Grid Integration Study

DTU PMU Laboratory Development - Testing and Validation

Estimation of Eastern Denmark’s Electromechanical Modes from Ambient Phasor Measurement Data

Frequency Control in Power Systems with High Wind Power Penetration

Grid Integration Issues for Large Scale Wind Power Plants (WPPs)

Hopf bifurcation and eigenvalue sensitivity analysis of doubly fed induction generator wind turbine system

Integration of electric drive vehicles in the Danish electricity network with high wind power penetration

Investigation of PMU performance under TVE criterion

Modeling of Electric Vehicles (EVs) for EV Grid Integration Study
On Small-Signal Stability of Wind Power System with Full-Load Converter Interfaced Wind Turbines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research

Reactive Power Capability of Unified DFIG for Wind Power Generation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Reactive power control with CHP plants - A demonstration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Redesign Electricity Market for the Next Generation Power System of Renewable Energy and Distributed Storage Technologies
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Simulation embedded artificial intelligence search method for supplier trading portfolio decision
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Superconducting wind turbine generators
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Superconducting wind turbine generators
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research

Superconducting wind turbines
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research

Synchronous Generator Excitation System Model Validation Using PMU Signal
Research output: Book/Report › Report – Annual report year: 2010 › Research

Use of demand response in electricity markets: An overview and key issues
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Application of Advanced Particle Swarm Optimization Techniques to Wind-thermal Coordination
Battery Energy Storage Technology for Power Systems—An Overview

Centre for Electric Technology: Mission - Vision - Strategy

Control Mechanism and Security Region for Intentional Islanding Transition
Chen, Y., Xu, Z., & Østergaard, J., 2009, PES'09. IEEE

Day-Ahead Self-Scheduling of Thermal Generator in Competitive Electricity Market Using Hybrid PSO
Pindoriya, N. M., Singh, S. N., & Østergaard, J., 2009, ISAP'09. IEEE

Design Study of 10 kW Superconducting Generator for Wind Turbine Applications

Electric Vehicles in Power Systems with 50% Wind Power Penetration: The Danish Case and the EDISON Programme

EV Portfolio Management and Grid Impact Study

Flexibility in the Distribution System

Future Challenges of the Danish Power System: Results of Ecogrid.dk - Phase 1

Hopf Bifurcation and Eigenvalue Sensitivity Analysis of Doubly Fed Induction Generator Wind Turbine System

How can energy companies benefit from public private partnerships?
Østergaard, J. & Rias, M., 2009
Hybrid Particle Swarm Optimization based Day-Ahead Self-Scheduling for Thermal Generator in Competitive Electricity Market
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Mitigation of Voltage Sags Through Distributed Demand Side Technology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Partnership for intelligent energy systems
Østergaard, J., 2009
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2009 › Research

PMU Applications - From Situation Awareness to Blackout Prevention
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research › peer-review

PMU Frequency Data Processing for A Planned Islanding Operation in Bornholm
Chen, Y., Xu, Z. & Østergaard, J., 2009
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2009 › Research

Reactive power and voltage control based on general quantum genetic algorithms
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Renewable Energy Generation in India: Present Scenario and Future Prospects
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Research Plan for Centre for Electric Technology 2010-2013
Research output: Book/Report › Report – Annual report year: 2009 › Research

Small-Signal Stability Analysis of Full-Load Converter Interfaced Wind Turbines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Smart Demand for Improving Short-term Voltage Control on Distribution Networks
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

State-estimation of wind power system of the Danish island of Bornholm
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review
Study of variable speed wind turbines capability for frequency response
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Towards a Danish power system with 50% wind: — Smart grids activities in Denmark
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Towards a new grid infrastructure: Denmark as a full-scale laboratory
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Research

Using Service Oriented Architecture in a Generic Virtual Power Plant
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Variable Speed (DFIG) Wind Turbines: Rapid Frequency Response to Power System Disturbances
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Variable Speed Wind Turbines Capability for Temporary Over-Production
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research

Wind power system of the Danish island of Bornholm: Model set-up and determination of operation regimes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Bacheloruddannelsen i Elektroteknologi på DTU: Sammenligning med fire universitets bacheloruddannelser
Research output: Book/Report › Report – Annual report year: 2008 › Research

Demand as Frequency Controlled Reserve: Final report of the PSO project
Research output: Book/Report › Report – Annual report year: 2008 › Research

Design study of superconducting 10 kW demonstration generator for wind turbine applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review
EcoGrid: 50% wind power in the electricity system
Østergaard, J., 2008
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2008 › Research

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

Electric Vehicles for Improved Operation of Power Systems with High Wind Power Penetration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Estimation of Power Quality Indicators During a Real Wind Farm Islanding Experiment
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Evaluating Frequency Quality of Nordic System using PMU data
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Evaluation of a Generic Virtual Power Plant Framework Using Service Oriented Architecture
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Frequency analysis for planned islanding operation in the Danish distribution system - Bornholm
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Future steps toward a Danish power system with 50% wind power
Research output: Book/Report › Report – Annual report year: 2008 › Research

Identification of problems when using long high voltage AC cable in transmission system II: Resonance & Harmonic resonance
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Innovation and energy technologies, partnership for intelligent energy solutions
Østergaard, J., 2008
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2008 › Communication
**System aspects**
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2008 › Research › peer-review

**The electric power system in Denmark, a vision for year 2025**
Nielsen, A. H. & Østergaard, J., 2008
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2008 › Research

**Theoretical evaluation of a generic virtual power plant framework using service oriented principles**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

**Vehicle to Grid (V2G) in Denmark-Feasibility Study**
Research output: Book/Report › Report – Annual report year: 2008 › Research

**Vindkraftværker i energisystemet: Danmarks fremtid som kompetencecentrum for vindkraft**
Research output: Book/Report › Report – Annual report year: 2008 › Research

**Wind Power and Transportation**
Østergaard, J., 2008
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2008 › Research

**Analysis of electric networks in island operation with a large penetration of wind power**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

**Design and Modelling of Thermostatically Controlled Loads as Frequency Controlled Reserve**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

**Exploiting ancillary services from distributed generation - perspectives for the Danish power system**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research

**STRATEGIC RESEARCH AGENDA FOR EUROPE’S ELECTRICITY NETWORKS OF THE FUTURE: European Technology Platform SmartGrids**
Research output: Book/Report › Report – Annual report year: 2007 › Research
Teknisk forskrift for termiske kraftværker på 1,5 MW eller mere
Research output: Book/Report › Report – Annual report year: 2005 › Research › peer-review

Elteknologi
Østergaard, J. (ed.), Larsen, E. & Herse, E., 2004
Research output: Book/Report › Compendium/lecture notes – Annual report year: 2004 › Education

Forplantning af hurtige spændingsændringer i nettet: Målinger i transmissions- og distributionsnettet fra Thy-Mors
Research output: Book/Report › Report – Annual report year: 2004 › Research

High temperature Superconducting Cables
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Research › peer-review

Ny Mvar-ordning
Research output: Book/Report › Report – Annual report year: 2004 › Research

Operation experiences with a 30 kV/100 MVA high temperature superconducting cable system
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Termiske kraftværker større end 2 MW. Sammenfatning af eksisterende administrationsgrundlag
Research output: Book/Report › Report – Annual report year: 2004 › Research

High temperature superconducting power cable system installed in a utility power network
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

High temperature superconducting power cable system installed in a utility power network: Nordic Insulation Symposium
Research output: Book/Report › Book – Annual report year: 2003 › Research › peer-review

Modellering af elforbrug til netanalyse
Research output: Book/Report › Report – Annual report year: 2003 › Research

Stationsprognoser: Delprojekt 2 - prognosemodel
Research output: Book/Report › Report – Annual report year: 2003 › Research

Superconducting power cables and other superconducting technologies for the electric power system - status and prospects
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research
Superledende kabelinstallation på Amager koblingsstation
Research output: Book/Report › Report – Annual report year: 2003 › Research

Superledende kabelinstallation på Amager koblingsstation - baggrundsrapport
Research output: Book/Report › Report – Annual report year: 2003 › Research

A New Concept for Superconducting DC Transmission from a Wind Farm
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

A new concept for superconducting DC transmission from a wind turbine park
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Design, installation and operation of the world’s first high temperature superconducting power cable in a utility power network
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

First operation experiences from a 30 kV 104 MVA HTS power cable installed in a utility substation
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Results from the Danish high temperature superconducting power cable project
Tønnesen, O. & Østergaard, J., 2002, In : Teion Kogaku. 37, 9, p. 450-456
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Stationsprognoser: Delprojekt 1 - datagrundlag
Research output: Book/Report › Report – Annual report year: 2002 › Research

Teknologiundersøgelse for superledende komponenter: Altiviteter i Japan
Research output: Book/Report › Report – Annual report year: 2002 › Research

Teknologiundersøgelse for superledende komponenter
Research output: Book/Report › Report – Annual report year: 2002 › Research › peer-review

Applications of HTS Fault Current Limiters in the Danish Utility Network
Research output: Contribution to journal › Conference article – Annual report year: 2001 › Research › peer-review

Can we delay the replacement of this component? - an asset management approach to the question [for electric utilities]
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2001 › Research › peer-review
Energy losses of superconducting power transmission cables in the grid
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

Test results of full-scale high temperature superconductors cable models destined for a 36 kV, 2 kA(rms) utility demonstration
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research › peer-review

AC-losses in superconducting power cables
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2000 › Research › peer-review

Power applications for superconducting cables
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

SC Power leads and cables - Nominal Current Test Performance of 2 kA-Class High-Tc Superconducting Cable Conductors and Its Implications for Cooling Systems for Utility Cables
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Utility survey of requirements for a HTS fault current limiter
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review

Application aspect of HTS Fault Current Limiter in a 10 kV grid system
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Kortslutningsstrømme i superledende kabler
Research output: Book/Report › Report – Annual report year: 1999 › Research

Loss and Inductance Investigation in Superconducting Cable Conductors
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research › peer-review

MAINTENANCE AND REPLACEMENT DECISION SUPPORT SYSTEM
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research
Power applications for superconducting cables in Denmark
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Research output: Book/Report › Report – Annual report year: 1999 › Research

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En vejledning i brug af Alternative Transient Program (ATP-EMTP)
Research output: Book/Report › Report – Annual report year: 1997 › Research

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