Publications:

Load forecasting of supermarket refrigeration
Publication: Research - peer-review › Journal article – Annual report year: 2015

A non-parametric method for correction of global radiation observations
Publication: Research - peer-review › Journal article – Annual report year: 2013

Online load forecasting for supermarket refrigeration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Online short-term heat load forecasting for single family houses
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Short-term heat load forecasting for single family houses
Publication: Research - peer-review › Journal article – Annual report year: 2013

Solar/electric heating systems for the future energy system
Publication: Research - peer-review › Report – Annual report year: 2013

Models for efficient integration of solar energy
Publication: Research › Ph.D. thesis – Annual report year: 2012

Online Short-term Solar Power Forecasting
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Online Short-term Solar Power Forecasting
Publication: Research - peer-review › Poster – Annual report year: 2011

Spatio-temporal analysis and modeling of short-term wind power forecast errors
Publication: Research - peer-review › Journal article – Annual report year: 2011

Conditional Weighted Combination of Wind Power Forecasts
Publication: Research - peer-review › Journal article – Annual report year: 2010

Communication of wind power forecast uncertainty: towards a standard
Publication: Research › Report – Annual report year: 2009

Forecasting day-ahead electricity prices and regulation costs in markets with significant wind power penetration
Publication: Research › Article in proceedings – Annual report year: 2009

From probabilistic forecasts to statistical scenarios of short-term wind power production
Publication: Research - peer-review › Journal article – Annual report year: 2009

Online short-term solar power forecasting
Publication: Research - peer-review › Journal article – Annual report year: 2009
Skill forecasting from ensemble predictions of wind power
Publication: Research - peer-review › Journal article – Annual report year: 2009

Temperature prediction at critical points in district heating systems
Publication: Research - peer-review › Journal article – Annual report year: 2009

Combined Forecast and Quantile Regression for Wind Power Prediction
Publication: Research › Report – Annual report year: 2008

Local linear regression with adaptive orthogonal fitting for the wind power application
Publication: Research - peer-review › Journal article – Annual report year: 2008

Modelling the nonlinear temperature response of district heating systems for model predictive control applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Spatio-temporal modeling of wind power prediction errors
Publication: Research › Article in proceedings – Annual report year: 2008

Time-adaptive quantile regression
Publication: Research - peer-review › Journal article – Annual report year: 2008

Automatic selection of tuning parameters in wind power prediction
Publication: Research › Report – Annual report year: 2007

Conditional parametric models for storm sewer runoff
Publication: Research - peer-review › Journal article – Annual report year: 2007

Ensemble predictions: Understanding uncertainties
Publication: Research › Article in proceedings – Annual report year: 2007

Evaluation of Nonparametric Probabilistic Forecasts of Wind Power
Publication: Research - peer-review › Report – Annual report year: 2007

Generation of statistical scenarios of short-term wind power production
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Improvement and automation of tools for short term wind power forecasting
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Intelligent wind power prediction systems: Final report
Publication: Research › Report – Annual report year: 2007

Methods for the estimation of the uncertainty of wind power forecasts
Publication: Research - peer-review › Report – Annual report year: 2007

Non-parametric probabilistic forecasts of wind power: required properties and evaluation
Publication: Research - peer-review › Journal article – Annual report year: 2007

Optimal combination of wind power forecasts
Publication: Research - peer-review › Journal article – Annual report year: 2007
Optimal combined wind power forecasts using exogenous variables: PSO2004/FU5766 Improved wind power prediction
Publication: Research › Report – Annual report year: 2007

Population pharmacokinetic/pharmacodynamic (PK/PD) modelling of the hypothalamic-pituitary-gonadal axis following treatment with GnRH analogues
Publication: Research › Journal article – Annual report year: 2007

Robust estimation of time-varying coefficient functions - Application to the modeling of wind power production
Publication: Research - peer-review › Report – Annual report year: 2007

Skill forecasting from different wind power ensemble prediction methods
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Spatio-temporal modelling of short-term wind power prediction errors: 02004/FU5766 - Improved wind power prediction
Publication: Research › Report – Annual report year: 2007

Temperature prediction in district heating systems with cFIR models
Publication: Research - peer-review › Report – Annual report year: 2007

Advanced statistical modeling and uncertainty assessment for wind power forecasting
Publication: Research › Article in proceedings – Annual report year: 2006

Algorithms for Adaptive Quantile Regression - and a Matlab Implementation
Publication: Research - peer-review › Report – Annual report year: 2006

From wind ensembles to probabilistic information about future wind power production - results from an actual application
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Introduction to Wind Technology
Publication: Research - peer-review › Book chapter – Annual report year: 2006

Modelling the Heat Consumption in District Heating Systems using a Grey-box approach
Publication: Research - peer-review › Journal article – Annual report year: 2006

Properties of Quantile and Interval Forecasts of Wind Generation and their Evaluation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Using Quantile Regression to Extend an Existing Wind Power Forecasting System with Probabilistic Forecasts
Publication: Research - peer-review › Conference article – Annual report year: 2006

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Publication: Research › Ph.D. thesis – Annual report year: 2005

Analysis of the Results of an On-line Wind Power Quantile Forecasting System
Publication: Research - peer-review › Report – Annual report year: 2005

A tool for predicting the wind power production of off-shore wind plants
Publication: Research › Article in proceedings – Annual report year: 2005

Candidate Prediction Models and Methods
Publication: Research - peer-review › Report – Annual report year: 2005
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Publication: Research › Journal article – Annual report year: 2005

Stochastic differential equations in NONMEM: implementation, application, and comparison with ordinary differential equations
Publication: Research - peer-review › Journal article – Annual report year: 2005

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

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Publication: Research - peer-review › Report – Annual report year: 2005

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Publication: Research - peer-review › Report – Annual report year: 2005

A protocol for standardizing the performance evaluation of short-term wind power prediction models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research › Report – Annual report year: 2004

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Publication: Research › Report – Annual report year: 2004

Modelling the Heat Consumption in District Heating Systems using a Grey-box approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Journal article – Annual report year: 2004

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Publication: Research - peer-review › Computer programme – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004
Stochastic Differential Equation in NONMEM: A diagnostic tool for pinpointing model deficiencies
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Using quantile regression to extend an existing wind power forecasting system with probabilistic forecasts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Wind Power Ensemble Forecasting
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research › Report – Annual report year: 2003

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Publication: Research - peer-review › Report – Annual report year: 2003

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Publication: Research - peer-review › Report – Annual report year: 2003

Model Validation in Non-Linear Continuous-Discrete Grey-Box Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

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Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2003

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Population pharmacokinetic modelling of a subcutaneous depot for GnRH antagonist degarelix
Publication: Research › Article in proceedings – Annual report year: 2003

Short-term Prediction - An Overview
Publication: Research - peer-review › Review – Annual report year: 2003

Teksturdata til beregning af friktionsværdier - anvendelse på vejoverflader?
Publication: Research › Report – Annual report year: 2003

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Publication: Research - peer-review › Report – Annual report year: 2002

Nøjagtighedens afhængighed af stikprævestørrelse ved måling af COD
Publication: Research › Report – Annual report year: 2002
On On-line Systems for Short-term Forecasting for Energy Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Optimal control of micro CHP
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Prediction of Wind Power Using Time-varying Coefficient-functions
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Using meteorological forecasts for short term wind power forecasting
Publication: Research › Article in proceedings – Annual report year: 2002

A Generalization of Some Classical Time Series Tools
Publication: Research - peer-review › Journal article – Annual report year: 2001

Calibration with near-continuous spectral measurements
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Publication: Research › Report – Annual report year: 2001

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Publication: Research › Journal article – Annual report year: 2001

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Publication: Research - peer-review › Report – Annual report year: 2001

Spectral transformation and range-selection in multivariate calibration
Publication: Research › Poster – Annual report year: 2001

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Publication: Research › Article in proceedings – Annual report year: 2001

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Publication: Research - peer-review › Computer programme – Annual report year: 2000

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Publication: Research - peer-review › Report – Annual report year: 2000

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Publication: Research - peer-review › Report – Annual report year: 2000

Short-term prediction of wind farm electricity production
Publication: Research - peer-review › Article in proceedings – Annual report year: 2000

Tracking time-varying coefficient-functions
Publication: Research - peer-review › Journal article – Annual report year: 2000
Tracking time-varying parameters with local regression
Publication: Research - peer-review › Journal article – Annual report year: 2000

Zephyr and short-term wind power prediction models
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Publication: Research - peer-review › Report – Annual report year: 1999

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Publication: Research › Article in proceedings – Annual report year: 1999

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Publication: Research › Ph.D. thesis – Annual report year: 1999

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Publication: Research - peer-review › Report – Annual report year: 1999

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Publication: Research - peer-review › Report – Annual report year: 1999

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Publication: Research - peer-review › Report – Annual report year: 1998

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Publication: Research - peer-review › Computer programme – Annual report year: 1998

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Publication: Research - peer-review › Report – Annual report year: 1998

Some Tools for Identification of Nonlinear Time Series
Publication: Research - peer-review › Report – Annual report year: 1998

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

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Implementation of mini CHP
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997
LFLM (Local Fitting of Linear Models / Locally weighted Fitting of Linear Models)
Publication: Research - peer-review › Computer programme – Annual report year: 1997

LFLM version 1.0, An S-PLUS / R library for locally weighted fitting of linear models
Publication: Research - peer-review › Report – Annual report year: 1997

Local fitting of autoregressive models with external input
Publication: Research › Article in proceedings – Annual report year: 1997

Approximating Building components using stochastic differential equations.
Publication: Research › Article in proceedings – Annual report year: 1996

Control of Supply Temperature: EFP 1323/93-07
Publication: Research - peer-review › Report – Annual report year: 1996

Models and Methods for Predicting Wind Power
Publication: Research - peer-review › Report – Annual report year: 1996

Wind Power Prediction using ARX Models and Neural Networks: Proceedings of the Fifteenth IASTED International Conference on Modelling, Identification and Control
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Model for brændselsforbrug og elproduktion på Korsør kraftvarmeværk
Publication: Research - peer-review › Report – Annual report year: 1995

Publication: Research - peer-review › Book – Annual report year: 1995

Protamine neutralization of intravenous and subcutaneous LMWH
Publication: Research - peer-review › Journal article – Annual report year: 1994

Driftmæssig optimering af energiproduktion på kraftvarmeværk med akkumulatortank
Publication: Research › Article in proceedings – Annual report year: 1991

Projects:

Models for efficient integration of solar energy
Project: PhD

Computer Supported Drug Development
Project: PhD

Stokastisk dynamik i kompekse systemer
Project: PhD

Models for forecasting the number of passengers on OD level
Project

Center for VandKvalitetssensorer
Project
Non- and semiparametric methods with applications in engineering
Project

IT based optimization of District Heating Networks
Project

IT-baseret driftoptimering af fjernvarmedistribution
Project

Elforbrugsmodeller for ELKRAFT-omraadet
Project

Prædiktorer i komplekse stokastiske systemer
Project: PhD

Development of methods for evaluation of electricity saving and load levelling measures
Project

Implementing Short Term Predictions at Utilities
Project

Optimering af fjernvarme systemer
Project

System til optimal regulering af fjernværme produktion
Project