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Integrated Wind Power Planning Tool
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Modelling spread of Bluetongue and other vector borne diseases in Denmark and evaluation of intervention strategies
Publication: Research › Ph.D. thesis – Annual report year: 2013

Model Predictive Control Algorithms for Pen and Pump Insulin Administration
Publication: Research › Ph.D. thesis – Annual report year: 2013

New statistical approaches with consideration for extremes
Pinson, P. 2012
Publication: Research › Sound/Visual production (digital) – Annual report year: 2013

Optical characterisation of nanostructures using a discretised forward model
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Optimal reliability allocation for large software projects through soft computing techniques
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Wind Turbine Control: Robust Model Based Approach
Publication: Research › Ph.D. thesis – Annual report year: 2013

The Matrix exponential, Dynamic Systems and Control
Publication: Research › Report – Annual report year: 2004

NNSYSID and NNCTRL Tools for system identification and control with neural networks
Nørgaard, M., Ravn, O. & Poulsen, N. K. 2001 In : Computing & control engineering journal. 12, 1, p. 29-36
Publication: Research - peer-review › Journal article – Annual report year: 2001

Projects:
Synchronization patterns in neural networks
Martens, E. A.
20/05/2018 → …
Project

Vascular network dynamics
Martens, E. A.
20/05/2018 → …
Project

Intelligent Energy Management for Multi-family Buildings
Yan, Y., Dittmann, L., Cali, D. & Madsen, H.
01/01/2018 → 31/12/2019
Project

Democratizing energy markets through the introduction of innovative flexibility-based demand response tools and novel business and market models for energy cooperatives
Azar, A. G., Relan, R., Bacher, P. & Madsen, H.
01/10/2017 → 30/09/2019
Project

Human Behavior of Track Pilot
Stockmarr, A. & Poulsen, N. K.
29/08/2016 → 07/02/2017
Project

Smart TSO-DSO interaction schemes, market architectures and ICT Solutions for the integration of ancillary services from demand side management and distributed generation
Azar, A. G., Madsen, H., Vardanyan, Y., Ebrahimy, R. & Dzamarija, M.
01/01/2016 → 31/12/2018
Project

Market Mechanisms for Integrated Energy Systems
Ordoudis, C., Pinson, P. & Morales González, J. M.
01/07/2015 → 30/06/2018
Project

Waste-2-Energy Smart Grid Upgrade
Halvgaard, R. F. & Madsen, H.
02/04/2014 → 02/04/2016
Project

iCull
Kirkeby, C. T., Hisham Beshara Halasa, T., Græsbøll, K., Christiansen, L. E., Toft, N. & Saxmose, S.
01/11/2013 → 31/10/2015
Project

Sizing of Microparticles from Angular Scattering Ratio
Karamahmedovic, M. & Hjorth, P. G.
22/10/2013 → 23/10/2013
Project

CITS - Copenhagen ITS
Høeg, P., Overton Chabre Holm, D., Starke, J., Bacher, P. & Nielsen, T. A. S.
01/10/2013 → 31/05/2014
Project
Activities:

**Polarization noise study in all-normal dispersion fiber supercontinuum generation**
Bravo Gonzalo, I. (Speaker), Engelsholm, R. D. (Other), Mieritz, A. F. (Other), Sørensen, M. P. (Other), Bang, O. (Other)
29 Jan 2018
Activity: Talks and presentations › Conference presentations

**Chaotic Mean Field Dynamics in Two Populations of Phase Oscillators with Heterogeneous Phase-Lag**
Martens, E. A. (Speaker)
2017
Activity: Talks and presentations › Conference presentations

**Chimera states - mythological monsters from math arise in the real world**
Martens, E. A. (Speaker)
2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Controlling Chimeras**
Martens, E. A. (Guest lecturer)
1 Dec 2017
Activity: Talks and presentations › Conference presentations

**Speed of evolution in spatially extended habitats**
Martens, E. A. (Guest lecturer)
Nov 2017
Activity: Talks and presentations › Conference presentations

**Hvad spærer for god opklaring, læring og forebyggelse af ulykker**
Hedlund, F. H. (Guest lecturer)
28 Nov 2017
Activity: Talks and presentations › Conference presentations

**Security at chemical facilities – overview of different regulatory approaches taken in EU Member States**
Hedlund, F. H. (Speaker)
2 Nov 2017
Activity: Talks and presentations › Conference presentations

**Inferring feeding in Southern bluefin tuna from visceral temperature data using a mechanistic model of digestion**
Thygesen, U. H. (Guest lecturer)
22 Sep 2017 → 27 Sep 2017
Activity: Talks and presentations › Conference presentations

**ECSO 2017**
Blanco, I. (Guest lecturer), Guericke, D. (Other)
20 Sep 2017 → 22 Sep 2017
Activity: Talks and presentations › Conference presentations

**Sync patterns in phase oscillator in community network structure**
Martens, E. A. (Guest lecturer)
Aug 2017
Activity: Talks and presentations › Conference presentations
**Decision-making for integrated energy systems**
Guericke, D. (Invited speaker)
1 Jul 2017
Activity: Talks and presentations › Conference presentations

**Konstantin Klemm**
Martens, E. A. (Host)
Jun 2017 → Aug 2017
Activity: Hosting a guest lecturer

**A Stochastic Method to Manage Delay and Missing Values for In-Situ Sensors in an Alternating Activated Sludge Process**
Stentoft, P. A. (Speaker), Møller, J. K. (Other), Madsen, H. (Other), Mikkelsen, P. S. (Other), Thomas Munk-Nielsen (Other)
13 Jun 2017
Activity: Talks and presentations › Conference presentations

**Dynamics Days Europe 2017**
Martens, E. A. (Speaker)
5 Jun 2017
Activity: Talks and presentations › Conference presentations

**DSWeb Magazine - The Dynamical Systems Web (Journal)**
Martens, E. A. (Reviewer)
May 2017
Activity: Communication › Journal editor

**Decision-making under uncertainty for energy companies in smart cities**
Guericke, D. (Speaker), Blanco, I. (Other)
30 May 2017
Activity: Talks and presentations › Conference presentations

**SMATAD 2017**
Blanco, I. (Participant), Morales González, J. M. (Organizer)
8 May 2017 → 11 May 2100
Activity: Attending an event › Participating in or organising a conference

**Chimera states-mythological monsters from mathsarise in the real world**
Martens, E. A. (Guest lecturer)
Apr 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

**Tidligere uheld på biogas- og renseanlæg, herunder danske**
Hedlund, F. H. (Speaker)
18 Nov 2016
Activity: Talks and presentations › Conference presentations

**INFORMS Annual Meeting**
Blanco, I. (Speaker), Morales González, J. M. (Other)
13 Nov 2016 → 17 Nov 2016
Activity: Talks and presentations › Conference presentations
Optimization challenges in the evolution of energy networks to smart cities.
Blanco, I. (Speaker), Morales González, J. M. (Other)
Activity: Talks and presentations › Conference presentations

Optimization challenges in the evolution of energy networks to smart grids
De Zotti, G. (Speaker)
Activity: Talks and presentations › Conference presentations

Smart Energy and Stochastic Optimization
De Zotti, G. (Participant)
30 May 2016 → 2 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Sikkerhed, sikring og sikkerhedskultur
Hedlund, F. H. (Speaker)
14 Dec 2015
Activity: Talks and presentations › Conference presentations

A Data-driven Bidding Model for a Cluster of Price-responsive Consumers of Electricity
Morales González, J. M. (Invited speaker)
12 Jul 2015 → 17 Jul 2015
Activity: Talks and presentations › Conference presentations

Nordic Environmental Social Science Conference
Morales González, J. M. (Speaker)
9 Jun 2015 → 11 Jun 2015
Activity: Talks and presentations › Conference presentations

Statistical modelling for energy system planning
Morales González, J. M. (Organizer)
11 May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Investigating the use of stochastic forecast for RTC of urban drainage systems
Löwe, R. (Lecturer)
25 Jun 2013
Activity: Talks and presentations › Conference presentations

Ude af øje, ude af sind, ude af kontrol: -er det sådan vores afløbssystemer skal fungere?
Löwe, R. (Lecturer)
13 Mar 2013
Activity: Talks and presentations › Conference presentations

Stochastic runoff forecasting and real time control of urban drainage systems
Löwe, R. (Lecturer)
11 Mar 2013
Activity: Talks and presentations › Conference presentations

Armax and Greybox Modeling in Water Systems
Löwe, R. (Lecturer)
1 Mar 2013
Activity: Other
Prizes:

Green Tech Challenge - Master Thesis
Peter Alexander Stentoft (Recipient), 23 Jun 2017
Prize: Prizes, scholarships, distinctions

Veolia Trophées Performance
Peter Alexander Stentoft (Recipient), 5 Dec 2017
Prize: Prizes, scholarships, distinctions

Press clippings:

Ekspert_ Forebyggelse af arbejdsulykker kræver ordentlig udredning
Frank Huess Hedlund
26/01/2017
1 media contribution
Press / Media

Risikoekspert: Hvor mange skal dø, før vi lærer noget?
Frank Huess Hedlund
25/01/2017
1 media contribution
Press / Media

Safety expert doubtful if root causes will be identified after Fredericia fire
Frank Huess Hedlund
05/02/2016
1 media contribution
Press / Media