Publications:

**Smart Grid Communication Infrastructure Comparison**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Smart Grid Communication Middleware Comparison**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Smart Grid communication middleware comparison distributed control comparison for the internet of things**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Smart Grid Serialization Comparison**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

**Smart grid serialization comparison: Comparision of serialization for distributed control in the context of the Internet of Things**
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**Algebraic Varieties and System Design**
Publication: Research › Ph.D. thesis – Annual report year: 2017

**On the significance of the noise model for the performance of a linear MPC in closed-loop operation**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

**Electric vehicle integration in a real-time market**
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**Generating Geospatially Realistic Driving Patterns Derived From Clustering Analysis Of Real EV Driving Data**
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Ranking Entities in Networks via Lefschetz Duality
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Integrating Intelligent Electric Devices into Distributed Energy Resources in a Cloud-Based Environment
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Intelligent Electric Vehicle Integration - Domain Interfaces and Supporting Informatics
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Simulation Tool For Energy Consumption and Production: The development of a simulation tool for measuring the impact of a smart grid on a building
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Electric Vehicle Fleet Integration in the Danish EDISON Project: A Virtual Power Plant on the Island of Bornholm
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A study on electricity export capability of the μCHP system with spot price
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Generic Virtual Power Plants: Management of Distributed Energy Resources under Liberalized Electricity Market
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Using Service Oriented Architecture in a Generic Virtual Power Plant
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Evaluation of a Generic Virtual Power Plant Framework Using Service Oriented Architecture
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Theoretical evaluation of a generic virtual power plant framework using service oriented principles
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A prototype of a documentation system that supports the development and maintenance of product configuration systems
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Creating a documentation system to support the development and maintenance of product configuration systems
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Prototype of Generic Server for Wind Power Plants Using IEC 61400-25 Standard
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Prototype of generic server for wind power plants using IEC 61400-25 standard
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Theoretical and experimental evaluation of an object oriented real-time robot control scheme
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Theoretical and experimental evaluation of an object oriented real-time servo control module
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Publication: Research › Article in proceedings – Annual report year: 1994

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A multivariable control scheme based on LQG-control for a two link hydraulic test robot manipulator
Publication: Research › Article in proceedings – Annual report year: 1992

Projects:

Model Predictive Control based on Stochastic Differential Equations - An Artificial Pancreas with Fast Insulin, Glucagon and Multiple Sensors
Hagdrup, M., Jørgensen, J. B., Madsen, H., Poulsen, B. & Poulsen, N. K.
01/09/2014 → 28/02/2018
Project: PhD

Reference architecture and infrastructure for modularity-based distributed control
Petersen, B. S., Bindner, H. W., Poulsen, B., You, S., Andersen, P. B., Deconinck, G. & Olsen, J. L.
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PROActive INtegration of sustainable energy resources enabling active distribution networks
Petersen, B. S., Poulsen, B., Bindner, H. W. & You, S.
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Dynamic Coverage and Flow Coordination in Multi-Agent Networks
15/05/2013 → 08/02/2017
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Project: PhD

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