Pohjoismaiden energiapolitiikka 2030: Hiilineutraalimpaan energiajärjestelmään osin yhdessä, osin eri polkuja pitkin
Research output: Professional › Discussion paper

Tammikuun tehopiikki – mitä tapahtui 7.1.2016? Miten tehoa hallitaan paremmin jatkossa?
Research output: Professional › Discussion paper

Single-source multibattery solar charger: Case study and implementation issues
Research output: Scientific - peer-review › Article

Factors Affecting Efficiency of LVDC Distribution Network – Power Electronics Perspective
Rekola, J. 20 Nov 2015 Tampere University of Technology. 133 p. (Tampere University of Technology. Publication; vol. 1340)
Research output: Monograph › Doctoral Thesis

Aspects of Electric Vehicles and Demand Response in Electricity Grids
Rautiainen, A. 6 Nov 2015 Tampere University of Technology. 80 p. (Tampere University of Technology. Publication; vol. 1327)
Research output: Collection of articles › Doctoral Thesis

A Versatile Solution for Continuous On-line PD Monitoring
Research output: Scientific - peer-review › Conference contribution

Performance analysis of Q-f droop anti-islanding protection in the presence of mixed types of DG
Research output: Scientific - peer-review › Conference contribution

Smart Frequency Control in Power Transmission Systems Using a BESS
Research output: Scientific - peer-review › Conference contribution

Methodology for Dynamic Stability and Robustness Analysis of Commercial-Power-Module-Based DC-Distributed Systems
Vesti, S. 9 Oct 2015 Tampere University of Technology. 147 p. (Tampere University of Technology. Publication; vol. 1326)
Research output: Monograph › Doctoral Thesis

Partial discharge activity in distribution MOSAs due to internal moisture
Research output: Scientific - peer-review › Conference contribution

Compensation of PV generator output power fluctuations with energy storage systems
Research output: Scientific - peer-review › Conference contribution
Recognition of shading events caused by moving clouds and determination of shadow velocity from solar radiation measurements
Research output: Scientific - peer-review › Conference contribution

Risk Assessment of Major Storm Situation in Distribution System
Dehghani, N., Supponen, A. & Repo, S. 1 Sep 2015 50th International Universities Power Engineering Conference (UPEC). IEEE
Research output: Scientific - peer-review › Conference contribution

Low-Voltage DC Distribution-Utilization Potential in a Large Distribution Network Company
Research output: Scientific - peer-review › Article

Improved adaptive input voltage control of a solar array interfacing current mode controlled boost power stage
Research output: Scientific - peer-review › Article

Real-Time Low Voltage Network Monitoring - ICT Architecture and Field Test Experience
Research output: Scientific - peer-review › Article

Change Detection of Electric Customer Behavior Based on AMR measurements
Research output: Scientific - peer-review › Conference contribution

Monetary impact of dynamic pricing and demand response on households: The winners and losers
Research output: Scientific - peer-review › Conference contribution

A communication based protection system for solving DG related protection challenges
Research output: Scientific - peer-review › Conference contribution

Modelling of simultaneous fault to reliability enhancement in distribution system
Novel Sensor Solutions for On-Line PD Monitoring
Research output: Scientific - peer-review › Conference contribution

Practical Implementation of Demand Response in Finland
Research output: Scientific - peer-review › Conference contribution

Reserve Power – Alternative Solution to the Network Investments in Rural Area Networks?
Research output: Scientific - peer-review › Conference contribution

A novel VSC-HVDC link model for dynamic power system simulations
Research output: Scientific - peer-review › Article

Demand Side Management in Open Electricity Markets from Retailer Viewpoint
Research output: Scientific - peer-review › Conference contribution

Product level accelerated reliability testing of motor drives with input power interruptions
Research output: Scientific - peer-review › Article

Role of public regulators in demand response business ecosystem - Case New York State electric power market
Research output: Scientific - peer-review › Conference contribution

Comprehensive dynamic analysis of photovoltaic generator interfacing DC-DC boost power stage
Research output: Scientific - peer-review › Article

Matlab/Simulink modeling to study the effect of partially shaded condition on photovoltaic array's maximum power point
Research output: Scientific - peer-review › Article

A Finite Element Simulation Tool for Predicting Hysteresis Losses in Superconductors Using an H-Oriented Formulation with Cohomology Basis Functions
Research output: Scientific - peer-review › Article

Evolving Smart Meter Data Driven Model for Short-Term Forecasting of Electric loads
Dynamics of photovoltaic-generator-interfacing voltage-controlled buck power stage
Research output: Scientific - peer-review › Article

Driving pattern analysis of Nordic region based on National Travel Surveys for electric vehicle integration
Research output: Scientific - peer-review › Article

An accurate small-signal model of a three-phase VSI-based photovoltaic inverter with LCL-filter
Research output: Scientific - peer-review › Conference contribution

Appearance of a Drift Problem in Variable-step Perturbative MPPT Algorithms
Research output: Scientific - peer-review › Conference contribution

Closure to Discussion on “Effect of Multilevel Inverter Supply on Core Losses in Magnetic Materials and Electrical Machines”
Research output: Scientific › Article

Comments on An Efficient Partial Power Processing DC/DC Converter for Distributed PV Architectures
Research output: Scientific › Article

Designing Inter-Organizational SA System to Disturbances of Electricity Supply
Research output: Professional › Working paper

Dielectric Breakdown Strength of Thermally Sprayed Ceramic Coatings: Effects of Different Test Arrangements
Research output: Scientific - peer-review › Article

Dynamic characteristics of three-phase Z-source-based photovoltaic inverter with asymmetric impedance network
Research output: Scientific - peer-review › Conference contribution

Effect of active damping on the output impedance of PV inverter
Research output: Scientific - peer-review › Conference contribution

Harmonic and Imbalance Voltage Mitigation in Smart Grids: A DSTATCOM Based Solution
Research output: Scientific - peer-review › Conference contribution