2016 power systems computation conference

Conferences > 2016 Power Systems Computatio... Integration of electricity and heat is one of the most promising options to achieve a sustainable low-carbon energy system in presence of ...

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Conference: 2016 Power Systems Computation Conference (PSCC) Authors: Maximilian Dauer. Siemens; Georg Janick Meyer. Friedrich-Alexander-University of Erlangen-Nürnberg; Johann Jaeger.

DOI: 10.1109/PSCC.2016.7540911 Corpus ID: 23111703; Transient stability analysis of an all converter interfaced generation WECC system @article{Ramasubramanian2016TransientSA, title={Transient stability analysis of an all converter interfaced generation WECC system}, author={Deepak Ramasubramanian and Vijay Vittal and John M. Undrill}, journal={2016 Power ...

Published in: 2016 Power Systems Computation Conference (PSCC) Article #: Date of Conference: 20-24 June 2016 Date Added to IEEE Xplore: 11 August 2016 ISBN Information: Electronic ISBN: 978-88-941051-2-4 Print on Demand(PoD) ISBN: 978-1-4673-8151-2 INSPEC Accession Number: ...

@article{Yu2016UseOA, title={Use of an inertia-less Virtual Synchronous Machine within future power networks with high penetrations of converters}, author={Mengran Yu and Andrew J. Roscoe and Campbell D. Booth and Adam Dy?ko and Richard Ierna and Jiebei Zhu and Helge Urdal}, journal={2016 Power Systems Computation Conference (PSCC)}, year ...

ICT and SCADA systems will play an increasingly operationally critical role in the smart grid. Cyber-attacks to these systems have the potential to result in outcomes in the physical domain. For example, power systems equipment could be damaged, reduced power quality could occur - potentially leading to blackouts - and, in extreme cases, result in safety-related incidents. ...

DOI: 10.1109/PSCC.2016.7540837 Corpus ID: 12451814; Evaluating composite approaches to modelling high-dimensional stochastic variables in power systems @article{Sun2016EvaluatingCA, title={Evaluating composite approaches to modelling high-dimensional stochastic variables in power systems}, author={Mingyang Sun and Ioannis ...

DOI: 10.1109/PSCC.2016.7540980 Corpus ID: 21219496; Abnormal event detection with high resolution micro-PMU data @article{Zhou2016AbnormalED, title={Abnormal event detection with high resolution micro-PMU data}, author={Yuxun Zhou and Reza Arghandeh and Ioannis C. Konstantakopoulos and Shayaan Abdullah and Alexandra von Meier and Costas J. Spanos}, ...

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In power flow analysis, the Newton-Raphson method is typically combined with heuristics for enforcing voltage regulation constraints. However, these heuristics ... Published in: 2016 Power Systems Computation Conference (PSCC) Article #: Date of Conference: 20-24 June 2016 Date Added to IEEE Xplore: 11 August 2016 ISBN Information: Electronic ...

The large-scale integration of intermittent energy sources, the introduction of shiftable load elements and the growing interconnection that characterizes electricity systems worldwide have led to ...

DOI: 10.1109/PSCC.2016.7540940 Corpus ID: 20404413; Comparison of DQ and Dynamic Phasor based frequency scanning analysis of grid-connected Power Electronic Systems @article{Das2016ComparisonOD, title={Comparison of DQ and Dynamic Phasor based frequency scanning analysis of grid-connected Power Electronic Systems}, author={Mukesh Kumar Das ...

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Prented at the es 19th Power Systems Computation Conference, 2016 . June 2016 . This research is sponsored in part by the U.S. Department of Energy ARPAE . program (DE-AR0000340). LBNL- 1006588. This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct ...

2016 Power Systems Computation Conference (PSCC) 2016; TLDR. This paper proposes and demonstrates a three-level framework for coordinating day-ahead, near real-time and minute-by-minute control actions of conventional generating units and distributed energy storage and a case study illustrates the interactions between the three levels.

DOI: 10.1109/PSCC.2016.7540987 Corpus ID: 20941301; Aggregate modeling of distribution systems for multi-period OPF @article{Polymeneas2016AggregateMO, title={Aggregate modeling of distribution systems for multi-period OPF}, author={Evangelos Polymeneas and Sakis A. P. Meliopoulos}, journal={2016 Power Systems Computation Conference (PSCC)}, year={2016}, ...

Polymeneas, E., & Meliopoulos, S. (2016). Aggregate modeling of distribution systems for multi-period OPF. 2016 Power Systems Computation Conference (PSCC). doi:10. ...