

ISSN 1003-8930
CODEN DXJZAA

Proceedings of the CSU-EPSA

A Publication of the Chinese Society of Universities for
Electric Power System and its Automation

电力系统及其 自动化学报

8
2018

第30卷 第8期

Vol. 30 No. 8

ISSN 1003-8930



天津大学 主办

电力系统及其自动化学报

全国高等学校电力系统及其自动化学术年会刊物

第30卷 第8期(总175期)

2018年8月

目次

学术论文

- 递归随机子空间辨识方法在电力系统区间振荡模式估计中的应用 黄宏亮,和 萍(1)
- 双馈风力发电系统 DC-link 电压振荡抑制策略 高仕红,毛承雄,王 丹,等(7)
- 面向分布式能源系统优化的负荷预测研究进展 赵 军,苏鹏伟,安青松,等(12)
- 电力现货市场下的增量配电网运营分析 宋嗣博,郭红霞,杨 苹,等(19)
- 基于改进下垂法的微电网逆变器并联控制技术 周奇勋,张 红,曹世宏,等(25)
- 基于滑模移频法的光伏发电并网系统孤岛检测混合算法 余运俊,王鹤官,范文奕,等(32)
- 考虑风电不确定性的风火打捆直流外送系统的日前机组组合模型 李文莉,付聪聪,张海波(38)
- 基于波形相关性分析的输电线路暂态保护方法 李泽文,郭田田,曾祥君,等(44)
- 电流模式 Buck-Boost 变换器的混沌控制 吴 智,张小平(51)
- 城市集中型充电站规划方法 冯瑛敏,赵 新,任国岐,等(58)
- 基于径向基函数神经网络的 PI-准比例谐振控制策略 李圣清,张 茜(62)
- 低压直流供电系统负载特性 闵晓晴,冯 琳,李国杰,等(68)
- 基于连锁过载故障发生机理的关键线路辨识 何培颖,房鑫炎(76)
- 基于动力学系统的状态估计算法 赵天骐,江晓东,李 鹏,等(81)
- 两类逆变侧控制策略对系统电压与直流主回路设计影响 黄 勇(87)
- 新型的铁路电能质量综合治理控制策略 宋平岗,周振邦,董 辉(93)
- 基于人工蜂群算法的空间负荷预测 马星河,姜晨阳,赵军营,等(102)
- 基于总体测辨和人工神经网络的负荷建模及预测方法 邹京希,曹 敏,董立军,等(108)
- 含可控分布式电源和换电站的配电网协调规划方法 罗雨萌,颜 伟,黄正波,等(113)
- 面向智慧城市的电力数据挖掘多场景应用 孙 芊,马建伟,李 强,等(119)
- 计及电力安全事故风险的输电网可靠性评估 刘文飞,曾嘉志,潘海涛,等(126)
- 新型输电电缆动态增容系统设计与应用 严有祥,朱 婷,王 蕾,等(133)
- 基于线路电压稳定指标的连续潮流计算方法 周建方,何禹清,何红斌,等(140)

数学论文

- 带超级电容储能的双向 DC/DC 变换器实验平台 冯兴田,张 磊,高春侠(145)

期刊基本参数:CN 12-1251/TM*1989*m*A4*150*zh*P*¥10.00*700*24*2018-08

Proceedings of the CSU-EPSC

Vol. 30 No.8 (Sum 175)

August 2018

Contents

Theoretical Research

Application of Recursive Stochastic Subspace Identification Method to Power System Inter-area Oscillation Mode Estimation	 HUANG Hongliang, HE Ping (1)
Suppression Strategy for DC-link Voltage Oscillation in Doubly-fed Wind Power Generation System	 GAO Shihong, MAO Chengxiong, WANG Dan, <i>et al</i> (7)
Progress in Researches on Load Forecasting Technology for Optimization of Distributed Energy System	
Distribution Network	 ZHAO Jun, SU Pengwei, AN Qingsong, <i>et al</i> (12)
Operation Analysis of Incremental Distribution Network in Power Spot Market	 SONG Sibao, GUO Hongxia, YANG Ping, <i>et al</i> (19)
Parallel Control Technology for Microgrid Inverters Based on Improved Droop Method	 ZHOU Qixun, ZHANG Hong, CAO Shihong, <i>et al</i> (25)
Mixed Islanding Detection Method for Grid-connected Photovoltaic System Based on Slip-mode Frequency Shift Method	 YU Yunjun, WANG Heguan, FAN Wenyi, <i>et al</i> (32)
Day-ahead Unit Commitment Models Considering Uncertainties in Wind Power for Wind Power Bundled with Thermal Power	
Transmitted by DC	 LI Wenli, FU Congcong, ZHANG Haibo (38)
Wave Correlation Analysis Based Transient Protection Method for Transmission Lines	 LI Zewen, GUO Tiantian, ZENG Xiangjun, <i>et al</i> (44)
Chaos Control of Buck-Boost Converter in Current Mode	 WU Zhi, ZHANG Xiaoping (51)
Planning Method for Urban Centralized Charging Stations	 FENG Yingmin, ZHAO Xin, REN Guoqi, <i>et al</i> (58)
PI-QPR Control Strategy Based on RBF Neural Network	 LI Shengqing, ZHANG Xi (62)
Load Characteristics of Low-voltage DC Power Supply System	 MIN Xiaoqing, FENG Lin, LI Guojie, <i>et al</i> (68)
Identification of Critical Lines Based on the Developing Mechanism of Cascading Overload Fault	 HE Peiying, FANG Xinyan (76)
State Estimation Method Based on Dynamical System	 ZHAO Tianqi, JIANG Xiaodong, LI Peng, <i>et al</i> (81)
Effect of Two Inverter-side Control Strategies on System Voltage and DC Main Circuit Design	 HUANG Yong (87)
Novel Control Strategy for Integrated Management of Railway Power Quality	 SONG Pinggang, ZHOU Zhenbang, DONG Hui (93)
Spatial Load Forecasting Based on Artificial Bee Colony Algorithm	 MA Xinghe, LOU Chenyang, ZHAO Junying, <i>et al</i> (102)
Load Modeling and Forecasting Method Considering Measurement-based Method and Artificial Neural Network	 ZOU Jingxi, CAO Min, DONG Lijun, <i>et al</i> (108)
Coordinated Planning Method for Distribution Network Including Controllable Distributed Generations and Battery Swapping Station	 LUO Yumeng, YAN Wei, HUANG Zhengbo, <i>et al</i> (113)
Multi-scenario Application of Power Data Mining to Smart City	 SUN Qian, MA Jianwei, LI Qiang, <i>et al</i> (119)
Evaluation on the Reliability of Power Transmission Network Considering Risk of Electric Power Safety Accidents	 LIU Wenfei, ZENG Jiazhi, PAN Haitao, <i>et al</i> (126)
Design and Application of New Type Dynamic Capacity Enlargement System for Transmission Cable	 YAN Youxiang, ZHU Ting, WANG Lei, <i>et al</i> (133)
Calculation Method for Continuation Power Flow Based on Line Voltage Stability Index	 ZHOU Jianfang, HE Yuqing, HE Hongbin, <i>et al</i> (140)

Teaching Experience Exchange

Experimental Platform of Bidirectional DC/DC Converter with Super-capacitor Energy Storage	 FENG Xingtian, ZHANG Lei, GAO Chunxia (145)
--	---