RPG 2017 Programme of Poster Session

14:00 – 17:30, 19th October 2017

Poster ID	Paper ID	Paper Title	Authors
PO001	0014	Over-voltage Modelling and Simulation Analysis of Offshore Wind Farm	Zhankui Zhang, Yan Li, Yongning Chi, Linjun Wei, Chao Liu
PO002	0046	Wind Farm HVRT Capability Improvement Based on Coordinated Reactive Power Control Strategy	Yuandong Zhang, Qing Li, Jinping Zhang, Shiyao Qin
PO003	0103	Phasor Model of Full Scale Converter Wind Turbine for Small-Signal Stability Analysis	Radu Gigha, Qiuwei Wu, Arne Hejde Nielsen
PO004	0153	A Novel Simplified Method of Doubly Fed Induction Generator	G B Song, C H Zhang, X B Wang, W Huang
PO005	0171	"HVDC Optimisation" – Driving down the cost of large scale offshore wind	K Siriwardhana, G Jackson, A Canelhas
PO006	0175	Enhanced AC Voltage and Frequency Control on Offshore MMC Station for Wind Farm	Y Jing, R Li, L Xu, Y Wang
PO007	0190	Study on detection of blade imbalance for DFIG wind turbines based on spectrum analysis of Hilbert modulus	Jixing Qiu, Guodong Xu, Junbing Tao, Jing Yang
PO008	0201	Analysis for distribution network on holding capacity of distributed wind turbines considering additional income under procedure conditions	WANG YE, YU YUWEI, ZHANG JIE
PO009	0203	Fault diagnosis of wind turbine planetary gearbox based on order analysis and divergence index	He Chengbing, Cai Shunkai, Sun Dakang, Song Lei
PO010	0213	Analytical determination of stable droop loop gain for a DFIG participating in frequency regulation	Jinqiang Liu, Xiaoru Wang
PO011	0272	Wind Power Curtailment Sequence Characteristic Analysis	Yongzhi Qi, Nan Zhang, Yuehui Huang, Yuefeng Wang, Weisheng Wang, Chun Liu
PO012	0289	Stator Current Vector Control Strategy of Doubly-fed Induction Generator Using Proportional Resonant Regulators	Q Li, P Cheng, X J Hao, J P Zhang
PO013	0299	Low voltage ride through capability enhancement of grid-connected permanent magnet synchronous generator driven by a variable speed wind turbine: a review	Mohammed Qais, Hany Hasanien, Saad Alghuwainem
PO014	0300	Output power smoothing of grid-connected permanent magnet synchronous generator driven by a variable speed wind turbine: a review	Mohammed Qais, Hany Hasanien, Saad Alghuwainem

PO015	0307	A Method of Eliminating High Frequency Resonance of DFIG System Connected to Weak Grid	B Pang, H Nian, G D Xu, J X Qiu
PO016	0338	The control for Offshore Wind Power Integration Based on Modular Multileveral Converter	C Lv, N L Tai
PO017	0343	Research on VSC-HVDC control strategy based on large offshore wind power system	Q Sun, C J Fan, C Lv, L Y Qiao
PO018	0399	Study on the Stability of Grid - Connected System of Two Types of Wind Turbines with UPFC	Haitao Liu, Xu Li, Gaofeng Qin, Sipeng Hao
PO019	0417	Study on Compound Frequency Modulation Strategy of DFIG-Based Wind Turbines Dealing With Stator Winding Inter-turn Short Circuit Fault	Liling Sun, Lanqing Hu, Boqiang Xu
PO222	0858	Wind Speed Optimization Method Of Numerical Prediction For Wind Farm Based On Kalman Filter method	Shenbing Hua, Shu Wang, Shuanglong Jin, Shuanglei Feng, Bo Wang
PO223	0777	Thermal Analysis and Reliability Evaluation of Cascaded H-Bridge Multilevel PV Inverter for Grid connected Applications	G Ranjith kumar, Z Guo-Rong, L Jianghua, C Wei, L Bo
PO020	0157	Modelling and Simulation of the Photovoltaic Power Station Considering the LVRT and HVRT	Shichao Fan, Pupu Chao, Feifei Zhang
PO021	0335	Research on the Smart Modular Cascaded Solid State Transformer interfaced to Distributed Photovoltaic Power Generation System	Hengyang Zhao, Taiyun Zhu, Dengfeng Cheng, Binbin Li, Jinjin Ding, Yuanzhi Li
PO022	0358	A Multilevel Switch-capacitor DC-DC Converter: Variable Voltage Gain Optimization Issues	S R Wang, K P Liu, L Qing, D Liu
PO023	0432	Active Power Control Algorithm for Photovoltaic System Based on Operating Efficiency of Photovoltaic Generation Unit	rui bi, xianfang liu
PO024	0521	Study on Photovoltaic Grid-connection Composite Control Strategy in Microgrid	Shuangjian PENG, Xin XUN, Kai SHENG, Xaioxing ZHU, Fuping LIU, Zhijie WANG
PO025	0648	Research on low voltage ride through control based on model predictive control	Jianhu Yuan, Yu Chen, Nan Chen, Yunlong Zhang, Yuliang Lin
PO026	0660	Based on STATCOM Direct Current Full-order Terminal Sliding Mode Control	Xuemei Zheng, Ruobo Chen
PO027	0718	Whale Optimization Algorithm for Photovoltaic Model Identification.	O S Elazab, H M Hasanien, M A Elgendy, A M Abdeen
PO028	0737	Reliability Evaluation of Photovoltaic Power Generation Systems with Consideration of Time-Varying Factors	Hongtao Li, Jie Ding, Jingsheng Huang, Yinghua Dong, Xiaoyan Li

PO029	0810	Fault Diagnosis of PV Array Based on Optimized BP Neural Network by Improved Adaptive Genetic Algorithm	Y Liu, X Zhu, J Yang
PO030	0827	Development Status and Demand Analysis of IEC Photovoltaic Standards	Zhen Li, Xiaodi Qin, Chenhui Niu, Zhilei Chen
PO031	0835	Weather Type Partition Method Considering Sequential Features in Photovoltaic Forecasting	H Li, Z X Lu, Y Qiao, N B Wang, K Ding
PO032	0892	A one-step MPPT method based on 5-parameter model of PV module	J R Miao, D Xie, R X Fan
PO033	0917	Short-term power forecasting of distributed pv power systems for consideration its effect on load forecasting	Yu Liu, Zhi Li, Kai Bai, zhaoguang zhang, Xining Lu, Xiaomeng Zhang
PO035	0043	Research of Reactive Power Control Strategy to Reduce the Reactive Power Exchange of AC&DC Power Grid	Renchuan Tu, chenggong Zhao, zhijun Liu, yong Cui, wei Xie, desheng Zhou, kaiyu Zhang
PO036	0052	Distribution Fault Outage Cost Evaluation and Hotspot Area Recognition Based on Big Data	Jinming CHEN, Yi YANG, Ziying WANG, Yan Li, Yajuan GUO, Jinli CUI, Daohua ZHU
PO037	0099	Protection Principle for MMC-HVDC DC Lines Based on Boundary Signals	C Lv, N L Tai, X D Zheng
PO038	0100	A Hierarchical Control Strategy Based on Bidding Mechanism in Active Distribution Network	Jiawei Zhou, Bingxing Yue, Jinrong Wu, Hua Huang, Chunliu Wang
PO039	0102	Synergistic Dispatch of Generation and Network in Wind Power Integrated Power System	Donglei Sun, Jinhong Yang, Xiaoming Liu, Kuihua Wu, Xiangyang Cao, Qibin Bo
PO040	0115	Coordination of Two-stage Surge Protective Device in Low Voltage System under Mixed Waves	Yiming ZHENG, Chunyan GONG, Wei HU, Zhengyuan ZHU
PO041	0116	Research of Transmission delay test-method in Smart Substations	Gong Xinyue, Zhou Da, Teng Yun, Bu Qiangsheng, Gao Lei
PO042	0117	An equivalencing-tracking-based method for incorporating distributed energy resources in transmission system economic dispatch	Z S Li, Q L Guo, H B Sun, T Xu
PO043	0119	Abnormality in Power System Transient Stability Control of BESS/STATCOM	Jun Liu, Can Su, Xu Wang, Wanliang Fang, Shuanbao Niu, Ping Wei

PO045	0134	Dynamic modelling of the VSC -HVDC for analytical studies	G B Song, T Wang, X H Huang, Y B Gu, Y K Liu
PO046	0135	A Two-Phase Integrated Optimization Strategy for Network Restoration with Photovoltaic Generation	Z Q Jiang, F Xiao, Q Ai, Q L He, Q S
PO047	0137	Study on the Dynamic Stability of Weak Grid Connection of Large-scale DFIG Based Wind Turbines	Xinshou Tian, Haiyan Tang, Yan Li, Yongning Chi, Yuanyuan Shu
PO048	0138	Multi-rate Electromagnetic Transient Simulation of Large Scale Power System Based on Multicore	Peng zhan, Shu-jun Yao, Hai-lin Zhang, Shuo Zhang
PO049	0139	Study on HVDC Transient Reactive Power Characteristics during Commutation Failure and Impact of HVDC Control Parameters	Jingzhe Tu, Yan Pan, Jian Zhang, Bing Zeng, Junchuan Jia, Jun Yi
PO050	0141	A Siloxane Injection Technology for Extending the Lifetime of the Operating Cable	Tao Wenbiao, Song Shuyong, Ma Zhenguo, Sun Ruihao, Zhang Yifan, Zhao Jin
PO051	0144	Research on A New Scheme of LCC-HVDC Line Protection	G B Song, Y B Gu, X H Huang, T Wang, W Huang
PO052	0149	Increasing the maximum penetration of distributed energy resource on the basis of multi-dimensional multi-resolution model	Shanshan Zhao, Xiaohui Song, Yajie Li, Fei Gao, Jianfang Li, Yu Zhang
PO053	0163	Research on Technical Scheme of Outdoor-Layout/Miniaturization Relay Protection in Smart Substation	Shuang Song, Xingjin Qiao, Qiangsheng Bu
PO054	0169	Optimal single phase smart meter design	N. T. Mbungu, R. C. Bansal, R. Naidoo, M Bipath
PO106	0170	Frequency Characteristics of East China Power Grid after Bipolar Locking of UHVDC	X L WU, Q LAN, Z W LI, K Q ZHUANG, Y C MIAO, W LI
PO107	0178	High accurate estimation method of subsynchronous and super-synchronous harmonic parameters on PMU	Y Tan, R Chen, M Wang, M Wang, M G Hou
PO108	0192	Study of online electromechanical and electromagnetic hybrid simulation system	Dongyu Shi, Xujiang Chen, Yalou Li, Feng Wang, Dechao Xu, Chunjiang He, Gang Li
PO109	0199	Comparing smart EV charging strategies from different stakeholder's perception	T Rawat, K R Niazi
PO110	0204	New Look-up Table Approaches for TCSC Impedance Control Considering Thyristor Conduction Characteristic	Yi Yang, Xiaojun Zhu, Wei Yao, Lei Gao, Yubo Yuan

PO111	0214	Optimal Reconfiguration of the Active Distribution Network with Distributed Generation and Electric Vehicle	Dongfang Zhang, Tao Zhang, Xueqin Xu, Yuanhua Zhou, Xiaolin Zhang
PO112	0221	Improvement of HVDC Commutation Failure Response Based on Compound Phase-shifting Control	S Wang, S Lu, Y Hou, F Liu, Z Xu
PO113	0222	Suppression Method and Effectiveness of STATCOM for Identical Multi-machine System	S Wang, S Lu, H Xiao, Z Xu, X Cui, X Wu
PO114	0228	Protection of Microgrid Systems: A Comprehensive Survey	Xiaoning Kang, Carl Eli Kwakutse Nuworklo, Browh Serge Tekpeti, Mostafa Kheshti
PO115	0241	Multi-objective combined dispatch model of wind power accommodation based on thermoelectric unit with heat storage device and electric boiler	Xiaodan Wang, Hong Li
PO116	0245	Analysis of pole-to-pole Fault Characteristics of Flexible DC System and Design of Current Limiting Device	Yan Xu, Jingyan Liu
PO226	0248	Coordinated Control Strategy of Hybrid Energy Storage to Improve Accommodating Ability of PV	D.L. Zhang, J.B. Guo, J.L. Li
PO117	0263	Research on Probabilistic Optimal Power Flow of Distribution System with Multilayer Structure Based on Energy Router	Weijie DONG, Lijuan HU, Wanxing SHENG, Keyan LIU, Xiaoli MENG, Pan DENG
PO118	0281	A method to determine spinning reserve requirement for a grid with large scale wind power penetration	J T Liu, S H Feng, K Wang, X R Guo, L Z Xu
PO119	0286	Wind energy prediction with LS-SVM based on Lorenz perturbation	Yagang Zhang, Penghui Wang, Chenhong Zhang, Shuang Lei
PO120	0306	Collaborative Control Strategy of Power Electronic Transformer and Fault Current Limiter in DC Microgrid	L Kong, H Nian
PO122	0317	Capacity Credit of Renewable Distributed Generation in Distribution Generation Systems Considering the Impact of Demand Response	B Zeng, X Wei, J Feng, Z Liu
PO123	0325	Load Frequency Control in Multiple Microgrids Based on Model Predictive Control with Communication Delay	X Wang, Q Zhao, B He, Y Wang, J Yang, Q Zhou
PO124	0329	Locating Optimal Support Generation Units Based on Polynomial Approximation of Post-contingency Static Stability and Security Region Boundaries	Y Qiu, Z Luo, B Chen, Q Zhao, B Xia, H Wu, Y Song

PO125	0332	Identification of Vulnerable Lines in Large Power Grid Based on FP-growth Algorithm.	Shengbo Jiang, Xueli Pan, Yi Xiao, Qiangming Zhou, Miao Li, Jun Yang
PO126	0333	Planning of Electric Vehicle Charging Station Based on Queuing Theory	Jie Zhu, Yixin Li, Jun Yang, Xianglong Li, Shuang Zeng, Yanxie Chen
PO127	0337	Optimal scheduling of power system with photovoltaic power supply considering regional carbon trading	ZHANG Wei, SUN Po
PO128	0341	Accurate fault location of complex distribution network with distributed generators	W J Li, C X Guo, Y Jin, X Gong
PO129	0350	The Method of Calculating the Maximum Transmission Capability with Unified Power Flow Controller	Jiankun Liu, Ningyu Zhang, Xinyao Zhu, Ke Xu, Zhe Chen
PO130	0363	A PPSO Method for distribution network reconfiguration considering the stochastic uncertainty of WT, PV AND LOAD	Huayi Wu, Ping Dong
PO131	0368	Capacity configuration optimization for stand-alone microgrid based on an improved binary bat algorithm	Siqing Sheng, Jingjing Zhang
PO132	0370	Research on DC Infeed Ratio of Receiving Grids with Renewable Energy under Frequency Stability Constraint	Yingchun Qian, Dajun Si, Facai Xing, Huanfeng Dong, Mingyuan Guan, Zheng Xu
PO133	0382	Emulating the features of conventional generator with virtual generator technology: an overview	Xiangping Kong, Jingjuan Pan, Xinyue Gong, Peng Li
PO134	0409	A method of adapting to grid recovery in extreme weather conditions	Gang Luo, Chongru Liu, Yinguo Yang, Feng Qian, Qingang Duan, Yunhao Zhao
PO135	0410	Study on Harmonic Transfer Characteristics of MMC-HVDC Systems	Li rong, Wen jun, Liu ruoxi, Yan han, Cui kangsheng
PO136	0413	A Three-Phase Dynamic Phasor Model of HVDC Systems	Gang Luo, Chongru Liu, Feng Qian, Yinguo Yang, Junlei Liu, Yunhao Zhao, Wei Xu
PO137	0423	Modelling of Multi Wind Farms Output Correlation Based on Copula Theory	Yang Pan, Libao Shi, Yixin Ni
PO138	0440	A traveling-wave-based method for fault location in multi-terminal DC networks	Q Z Lin, G M Luo, J H He

PO139	0443	Research on penetration of distributed generation considering fluctuation and load frequency characteristics	Jianfang LI, Xiaohui Song, Fei Gao, Shanshan Zhao, Yu Zhang
PO140	0453	Design of a novel voltage regulating distribution transformer with a power electronic assisted booster system	Guiyang Jin, Keji Yang, Jun Liu
PO141	0483	A New Adaptive Voltage Protection Scheme for Distribution Network with Distributed Generations	D S Wang, S L Zhao, S Zhang, S Z Song, J Ma, W B Zhang
PO142	0484	A bilateral collaborative operation optimization model in integrated multi-energy system	Yueqiao Li, ChunXiao Wei, DaPeng Guo, WenXia Liu, XingLiang Chen
PO143	0500	An improved modulation method of modular multilevel converter	P Qiu, F Xu, Y Lu, J H Li, G R Liu, H Q Xiao, S J Wang, Z Xu
PO144	0508	Air Conditioner Fast Dispatching Model Based on Load Aggregator and Direct Load Control	X W Wang, Y F Gong
PO145	0517	Application of MMC-UPFC in the 500kV Power Grid of Suzhou	Peng Li, Yiyu Wang, Changyou Feng, Jinjiao Lin
PO146	0535	A scheme to improve the load characteristics in dc distribution networks based on optimal allocation of energy storage systems	G B Song, X H Huang, T Wang, Y B Gu
PO191	1000	Study of Demand Response Measures and Its Quantitative Effects in Promoting Renewable Energy Accommodation in High Proportional Renewable Energy Scenario	LI Xiaofei, HUANG Yuehui, YANG Shuo
PO219	0493	A Bi-Level Two-Stage Stochastic SCUC for ISO Day-Ahead Scheduling Considering Uncertain Wind Power and Demand Response	NW Gong, XJ Luo, DY Chen
PO224	0918	Research on Optimal Storage Capacity of DC Micro-grid System in PV Station	WU MING, SUN LIJING, ZHANG HAI, WANG WEI, LUO GUOMIN
PO055	0107	Cross Coupling over Frequency and Sequence in Impedance Modeling of Grid-Connected Inverter	Y Y Xu, H Nian, G D Xu, J X Qiu
PO056	0229	A Prediction Method of PV Output Power Based on Cloud Model	Zhong Chen, Songyang Che, Yan Xu, Dapeng Yin
PO057	0324	A Representational Learning Approach for Power System Transient Stability Assessment Based on Convolutional Neural Network	Bendong Tan, Jun Yang, Xueli Pan, Jun Li, Peiyuan Xie, Ciling Zeng
PO058	0392	Robust Optimization for AC-DC Power Flow Based on Second-Order Cone Programming	Y Zhou, Y Tian, K Y Wang, M Ghandhari

PO059	0463	Research on Transformer Winding for Deformation Fault Diagnosis Based on K-fault Diagnosis Method	J J Lin, H Z Chen, X Y Gao
PO060	0530	An Analysis Method of Feeder Partition Capacity Considering Power Supply Security and Distributed Generation	W F Wang, Z J Cao, K .Sun, D He, Y J Sun, C X Li, M Sun, S F Dong
PO061	0717	Bifurcation Analysis of The Islanded Microgrid with Constant Power Loads	Yifan Hu, Yelun Peng, Zhikang Shuai
PO062	0770	Controllable Powers Range and Control Method of DFIG for Transient Stability of Power System	D Zheng, J Ouyang, X Xiong
PO063	0818	Equivalent modelling of wind farm for small signal stability analysis in weak power system	X He, H Geng, G Yang, X Zou, Y Li
PO064	0828	Cooperative games based method to determine the weights of load forecasting solution incorporated with various algorithms	VietCuong Ngo, Wenchuan Wu, Yi Yang, Boming Zhang
PO065	0859	The control of grid connected converter based on model prediction control under unbalanced grid voltage	Lifan Niu, Zhen Xie, Hui Yang, Xing Zhang
PO225	0702	The Optimal Scheduling Model of Wind Power Generation Considering the Participation of Electric Vehicle Batteries	Feng Liang, Wu Kuihua, Wu Jian, Sun Wei, Yang Bo, Wang Jian, An Peng
PO227	0023	A New HVDC Topology Structure Using Existing AC Cable Lines for Integrating Renewable Energy Sources	F Xu, X H Xuan, Y Lu, P Qiu, D Z Jiang, Q Chen

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PO067	0529	Study on fault characteristics of full power inverted sources and its short-circuit current calculation model.	C Zhang, J Zeng, W Zhao, G Zhong, W Zhang, W Li, M Dai
PO068	0564	Design and research of modular permanent magnet DC generator based on magnetic integrated transformer for offshore wind farms	Kuigang Shen, Baochang Xie, Xu Cai
PO069	0591	Study of Wind Power Fluctuation Characteristics of Three North Regions based on Clustering Algorithm	SHUO YANG, CHI LI, XIAOFEI LI, YUEHUI HUANG, CHUN LIU, WEISHENG WANG
PO070	0612	Design and Multi-Object Optimization of Axial Flux Interior PMSM for EV and HEV Applications	Q X Chen, D L Liang, Y B Liu, Q S Wang
PO071	0664	Modeling of Multi VSCs in DC-Link Voltage Control Timescale for Small Signal Stability Analysis	Yunhui Huang, Binyu Xiong, Aihong Tang, Haiyan Tang, Yan Li, Yong Huang
PO072	0669	Modeling of wind speed correlation based on entropy weighted fuzzy comprehensive evaluation	Xu Y, Liu D, Zhang Y
PO073	0681	Research on Variable Pitch Control Strategy of Wind Turbine for Tower Vibration Reduction	Yanhui Qiao, Shuang Han, Ying Deng, Yongqian Liu, Jian Dong, Lei Pan, RunXiang Li, Bin Zhao
PO074	0683	Clustering Based Optimization for Maximum Wind Energy Extracting of Large Scale Wind Farm	Shaokang Ma, Hua Geng, Geng Yang, Jiangbei Xi
PO075	0687	Reactive Power Optimization of Distribution Network with Dispersed Wind Farm	Bing Xue, Jiandong Duan, Lupeng Chen
PO076	0746	Analysis of short circuit characteristic of hybrid wind farm group based on artificial short circuit test	Peng Zhao, Jia Jing, Ruiqi Wang, Fengkui Luan, Peng Yu, Xianqiao Zhao, Guanglei Li
PO228	0781	Positive and Negative Sequence Control of DFIG based Wind Turbines and its Impact on Grid Voltage Profile Concerning Converter Control Capability	Lun Yan, Xiaoming Yuan

PO077	0819	Build-up Steady-State Analysis of Wind-Driven Self-Excited Induction Generators	H Li, L Chen, X Zheng, Y Luo, X Peng
PO078	0829	Research on Application of Superconducting Fault Current Limiter in MMC-MTDC	C Lv, N L Tai, Z J Jin, X D Zheng
PO079	0882	Optimisation of Offshore Wind Farm Collection Systems Based on Modified Genetic Algorithm	Yujing Zhang, Zongxiang Lu, Ying Qiao, Wentao Sun
PO080	0885	A Multi-objective Reactive Power Optimization Approach for the Isolated Grid of New Energy Clusters Connected to VSC-HVDC	S L Yin, L L Wu, W Song, X Wang
PO081	0904	Suppression method of parallel damping controller for DFIG	F. Zhao, L.L. Wu, J.A. Zhang, X.D. Gao, H. Liu, H.J. Wang, Y.J. Yang
PO082	0936	AC and DC fault ride through of hybrid MMC integrating wind power	Shuai Cao, Wang Xiang, Liangzhong Yao, Bo Yang, Jinyu Wen
PO083	0956	Experimental Analysis of Noise and Vibration for Large Brushless Doubly Fed Machines (BDFMs)	Salman Abdi Jalebi, Danilo Llano, Ehsan Abdi Jalebi, Paul Malliband, Richard McMahon
PO217	0617	The impacts of PMSG on SSR of DFIG and series-compensated power system based on the impedance characteristics	Y Li, H Liu, W Ning, H Jiang, Y Li
PO218	0627	Study of the impact on SSR in series-compensated wind farms from different structures of power grid	Y Li, H Liu, W Ning, X Xie, Y Li
PO084	0105	Research on Self-starting Strategy of Variable Speed Pumped Storage Units based on Model Predictive Control	L JI, Y SHAO, J SUN, L SHI
PO085	0130	Power grid planning Based on Differential Abandoned Wind Rate	Z R Song, F Shen, Z Nan, Y B Zhang, L Zhao, X Y Deng, N Zhang, H Li, Z X Zhang, Y Wang, T Q Lu
PO086	0131	Control Strategy for the parallel-powered system	qian chen, peng qiu, jiayi wu, yi lu, kai tong, jiazhuo xuan, feng xu, xiaoming huang, haihong yu
PO087	0152	AC Excitation Control Strategy of Variable Speed Pumped Storage Units based on Active Disturbance Rejection Control	L Ji, J Sun, M Zhou, W Tian
PO088	0224	Optimal configuration of energy storage system based on frequency hierarchical control in ship power system with solar photovoltaic plant	Jinrui Tang, Binyu Xiong, Yunhui Huang, Chengqing Yuan, Guoxing Su
PO089	0233	Research on Seamless Switching Control Strategy for T-Type Three-Level Energy Storage Inverter Based on Virtual Synchronous Generator	Dan Zhang, JianGuo Jiang, Liang Zhang, BaoNan Wang, Zhongzheng Zhou, HongLiang Li

PO090	0251	Comprehensive Recourse Strategic Planning for the Integration of Variable Renewable Electricity	Xiao PAN, WenJuan LIU, YuFei JIN, XinYang DENG
PO091	0252	An Advanced Microgrid and Its Multi-objective Regulation Strategy For Shore Supply	Moduo Yu, Wentao Huang, Nengling Tai, Xiaodong Zheng, Zhoujun Ma, Yong Wang
PO092	0283	Evaluation the capacity of Power and energy balance for Cascaded H-Bridge Multilevel Inverter using different PWM Techniques	Abuzaid Saeed Gadalla, Xiangwu Yan, Sara Yahia Altahir, Hashim Hasabelrasul
PO093	0339	Optimal accommodation and management of high renewable penetration in distribution systems	Nand K. Meena, Anil Swarnkar, Nikhil Gupta, K. R. Niazi
PO094	0501	Model Predictive Control Considering Scenario Optimization for Microgrid Dispatching with Wind Power and Electric Vehicle	Xiaogang Guo, Zhejing Bao, Hongji Lai, Wenjun Yan
PO095	0552	An Energy Management Strategy for Microgrids Including Heat Pump Air-conditioning and Hybrid Energy Storage Systems	Jinxiao Shi, Wentao Huang, Nengling Tai, Peng Qiu, Yi Lu
PO096	0691	A Modified Elephant Herding Optimization for Economic Generation Co-ordination of DERs and BESS in Grid Connected Microgrid	Sonam Parashar, Anil Swarnkar, Nikhil Gupta, K R Niazi
PO097	0719	A Hybrid Cooperative Control Method for Microgrid with Large Generation or Load Fluctuations	Q Lv, G Yang, H Geng, X B Zhang
PO098	0728	Accuracy Improvement of Remaining Capacity Estimation for Energy Storage Batteries	Cheng Xu, Guo'an Liu, Kangli Wang
PO099	0734	Research on Smart Tracking Strategy of Wind Power and Energy Storage Combined Generation System based on Three Stage Rolling Optimization	Linlin Wu, Hui Liu, Kai Bai
PO100	0753	Comparison of Centralised and Distributed Battery Energy Storage Systems in LV Distribution Networks on Operational Optimisation and Financial Benefits	Zhi Qiao, Jin Yang
PO101	0790	Output Characteristics of LCC-S Compensation Network and Its Optimal Parameters Design in IPT System	Bo Li, Jiang-Hua Lu, Wen-Jing Li, Jin Wang, Guo-Rong Zhu, G Ranjith Kumar
PO102	0815	An Improved Power Allocation Strategy of Hybrid Energy Storage System in DC Micro-Grids	Xiaoyong Chang, Fufeng Chen, Yuping Li, Yuting Wang, Chengji Xu
PO103	0836	Coordinated Operation Strategy of Hybrid Storage System in Wind Power Peak Shaving Scenarios	Jun Wu, Ying Qiao, Zongxiang Lu, Wenqi Li, Liang Sun
PO104	0952	Modeling and Control of Doubly-Fed Variable-Speed Pumped Storage Units for Grid Power Regulation	Guopeng ZHAO, Qiang ZHAO, Jiyun REN, Xiaofang SONG, Minxiao HAN

PO105	0953	Power Requirement and Control Characteristics of Energy Storage Equipment in Microgrid operating in Island Mode	Guopeng ZHAO, Xinwei ZHOU
PO149	0545	A dispatching approach for active distribution network considering PV generation reliability and load predicting interval	Yiqiang Ying, Yingjun Wu, Yiqiang Su, Rong Fu, Xinyi Liang, Hao Xu
PO150	0547	Situation awareness of power system based on static voltage security region	Fei Xiao, Ziqing Jiang, Qian Ai, Ran Hao
PO151	0548	A Strategy to Smooth Tie-line Power of Microgrid by Considering Group Control of Heat Pumps	Jinxiao Shi, Wentao Huang, Nengling Tai, Qin Zhu, Dawei Liu
PO152	0554	Research on Small-signal Stability of Hybrid Multi-terminal HVDC System and Control System Parameter Design	Zhang Hailin, Yao Shujun, Zhan Peng
PO153	0559	Fault Recovery for Distribution Network with Distributed Generation	Wei Ba, Yuming Yan, Kangda Wang, Bingqing Wu, Zhenghong Chen, Xueying Wang
PO154	0563	Control Strategy For Wind Power Integration Base on Energy Demand Respond and Distributed Energy Storage	Xu YAN, Xiqiao LIN, Lijuan QIN, Shuai HAN, Like GAO, Yiyun YANG, Bo ZENG
PO155	0566	A Decentralized Method for Solving Multi-area Stochastic Dynamic Economic Dispatch Problem	W M Zhao, B R Zhou, M B Liu, W F Yao, S Y Lu, T Wang
PO156	0575	Maximising wind generation through optimised operation of on-load tap changing (OLTC) transformers in active distribution networks	D Danzerl, S Gill, O A Lara
PO157	0608	Research on the Demand Response Strategy of the Electricity Deviation Assessment	Sibo Song, Hongxia Guo, Ping Yang, Zhirong Xu, Ting He, Zhilin Lu
PO158	0613	The architecture and security protection scheme for the distributed new energy public service platform with hybrid cloud system	Daohua Zhu, Yajuan Guo, Jinming Chen, Yan Li, Haitao Jiang
PO159	0614	Study on System Commissioning Test and project application of Lingzhou to Shaoxing UHVDC Transmission Project	Wankai YANG
PO160	0622	Research on DC-Link Voltage Stabilizer for voltage source convertor as Connected to Weak Grid	Yunhui Huang, Jinrui Tang, Guorong Zhu, Haiyan Tang, Yan Li
PO161	0631	Research on user optimal aggregation based on demand response potential spectrum clustering analysis	Yanping Sun, Yajing Gao, Wenhai Yang, Jingmin Wang, Hong Li
PO162	0635	Impact of fault-ride-through strategy on dynamic characteristics of photovoltaic power plant	L M Ge, L N Qu, L Z Zhu, N Chen, L Zhang

PO163	0652	DC Statcom in Multi-terminal DC Distribution Power System	D Chen, L Xu, Y Xu
PO164	0662	Distribution Network Reliability Investment Effectiveness Evaluation Based on Defect Data Mining	Keyan LIU, Yangtao Liu, Lijuan HU, Songhuai Du, Juan Su
PO165	0668	A Partial discharge of White Noise Suppression Method Based on EEMD And Higher Order Statistics	Wei Wang
PO166	0674	A Novel Generation Method for the PV Power Time Series Combining the Decomposition Technique and Markov Chain Theory	Shenzhi Xu, Xiaomeng Ai, Jiakun Fang, Jinyu Wen, Pai Li, Yuehui Huang
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