

Board Number	Section	Session Title	Paper Title	Paper Number	Authors
1001	White - Energy Conversion	Electric Machinery Poster Session	The Application of Electrical and Current Signature Analysis for DFIG Turbine and Powertrain Defects	25PESGM-000262	Howard Penrose
1002	White - Energy Conversion	Electric Machinery Poster Session	A Three-Dimensional Space Vector Modulation Method for Reducing Circulating Current and Common Mode Voltage in Three-Phase Four-Leg Parallel Converters	25PESGM-000898	Morad Yazdani, Innocent Kamwa, Jafar Adabi, Hoda Ghoreishy and Hadi Porkia
1003	White - Energy Conversion	Electric Machinery Poster Session	Enhancing EV Motor Design Through Knowledge-Based AI and Hierarchical Fuzzy Logic Model	25PESGM-002775	Praveen Kumar, Wan Li, Vandana Rallabandi and Burak Ozpineci
1004	White - Energy Conversion	Energy Development and Power Generation Poster Session	Imbalance of Induced Voltages on the Sheath of Medium Voltage Cables in Renewable Energy Parks	25PESGM-000025	Jesus Guevara Asorza, Ricardo De Araujo, Fernando Cerna and Jose Pissolato Filho
1005	White - Energy Conversion	Energy Development and Power Generation Poster Session	Floating Offshore Wind Farm Yaw Control Via Model-based Deep Reinforcement Learning	25PESGM-000070	Mingyang Mei, Peng Kou, Yilin Xu, Zhihao Zhang, Runze Tian and Deliang Liang
1006	White - Energy Conversion	Energy Development and Power Generation Poster Session	Bidirectional Virtual Inertia Control Strategy for a Bidirectional Interlinking Converter in an Autonomous Hybrid AC/DC Microgrid	25PESGM-000101	Li Wang, Min-Fang Li, Zi-Hao Liao, Ting-You Li and Ching-Chung Tseng
1007	White - Energy Conversion	Energy Development and Power Generation Poster Session	Fault diagnosis method of wind turbine gearbox based on inverse lumped parameter thermal network model and double distributed fuzzy inference	25PESGM-000185	Shiyu Lin, Hongshan Zhao and Weixin Yang
1008	White - Energy Conversion	Energy Development and Power Generation Poster Session	Mitigating Pulsed Load Impacts in DC Microgrids Using Hybrid Energy Storage and Advanced Control	25PESGM-000326	Ahmed Aghmadi and Osama Mohammed
1009	White - Energy Conversion	Energy Development and Power Generation Poster Session	Generator Initiated Power System Restoration: Risks and Mitigations	25PESGM-000344	Luc Gallant and Hubert Gagnon
1010	White - Energy Conversion	Energy Development and Power Generation Poster Session	Multi-energy systems planning for agriculture applications: a cocoa plantation case	25PESGM-000574	Andrea Cusva Garcia, Guillermo Jiménez Estévez, Nicanor Quijano and Rocío Sierra Ramirez
1011	White - Energy Conversion	Energy Development and Power Generation Poster Session	Stability Improvement of a Multimachine Power System Connected with a Hybrid Wind-PV Farm-based High-capacity DC Microgrid Using a DSTATCOM	25PESGM-000777	Li Wang, Jun-Yi Ke Wang, Hao-Sin Yang and Muhammad Alfian Amrizal
1012	White - Energy Conversion	Energy Development and Power Generation Poster Session	PSO-based Sliding Mode Current Control of Grid-Forming Inverter in Rotating Frame	25PESGM-000867	Quang-Manh Hoang, Guilherme Hollweg, Akhtar Hussain, Sina Zarrabian, Wencong Su and Van-Hai Bui
1013	White - Energy Conversion	Energy Development and Power Generation Poster Session	Black Start Strategy for DR-MMC Hub-Based Offshore Wind Farms Integration System	25PESGM-001036	Mingrui Yang, Wang Xiang and Jinyu Wen
1014	White - Energy Conversion	Energy Development and Power Generation Poster Session	Microgrid and Renewable Energy Generation Design: A Case Study of Central Queensland University	25PESGM-001401	Natalie Burke, Narottam Das and Jamshid Aghaei
1015	White - Energy Conversion	Energy Development and Power Generation Poster Session	Flexible Scheduling Considering Unit Commitment for Large-Scale Wind Power Integrated Systems	25PESGM-001436	Yuan Zeng, Xinyu Yuan, Chen Li and Hongmei Wang
1016	White - Energy Conversion	Energy Development and Power Generation Poster Session	Physics-Informed Neural Network for Wake Modeling in Wind Farms	25PESGM-001450	Peiyi Li, Yanbo Che, Xihai Zhang, Nan Jiang, Anran Hua and Mengxiang Zheng
1017	White - Energy Conversion	Energy Development and Power Generation Poster Session	Modeling of Power Converters for Power Hardware in Loop Studies	25PESGM-002474	JASDEEP KOUR and Panos Kotsampopoulos
1018	White - Energy Conversion	Energy Development and Power Generation Poster Session	Coordinated Yaw Control for Offshore Wind Farm Considering Wind Direction	25PESGM-002545	Yang Fu, Shijing Yang, Lirong Deng, Xiangjing Su, Zhenkun Li and Yang Liu
1019	White - Energy Conversion	Energy Development and Power Generation Poster Session	Theoretical Modeling of Frequency Support in Electricity-Hydrogen Systems with Solid Oxide Electrolyzer	25PESGM-002621	Weng Zebin, Liu Chengxi, Liu Zhi and Li Xingyu
1020	White - Energy Conversion	Energy Development and Power Generation Poster Session	A Virtual Admittance-Based Fault Current Limiting Method for Grid-Forming Inverters	25PESGM-002846	Zaid Ibn Mahmood, Hantao Cui and Ying Zhang
1021	White - Energy Conversion	Energy Development and Power Generation Poster Session	Impact of Power Plant Controller on Voltage Oscillation in RE Complex: Insights from Hardware-in-the-Loop Simulation	25PESGM-002891	Amit Kumar, Swakshar Ray, Ebin Matthew and Aman Gautam
1022	White - Energy Conversion	Energy Development and Power Generation Poster Session	Comparative Analysis of Real and Reactive Power Generation in Traditional Power Systems and Grid-Connected PV Systems Under Various Configurations	25PESGM-002925	Iffat Rezwana and Eklas Hossain

1023	White - Energy Conversion	Energy Development and Power Generation Poster Session	A Decision Framework for Clean Energy Supply Chain Optimization	25PESGM-002927	Boyu Yao and Yury Dvorkin
1024	White - Energy Conversion	Energy Development and Power Generation Poster Session	Aggregator-Driven Efficient Charging for Electric School Buses Based on Power-Cost Curve	25PESGM-002995	Ali Khan, Sanjeev Pannala, Monish Mukharjee and Noel Schulz
1025	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Joint Optimization of Wind Turbine Layout and Electrical Collector System Planning for Offshore Wind Farm	25PESGM-000014	Boan Lu, Xinwei Shen, Zehai Huang and Renshen Tan
1026	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	A Generalized Framework of Large Language Models for Power System Operation: Implementations and Limitations	25PESGM-000242	Xu Yang, Haotian Liu, Wenchuan Wu and Chenhui Lin
1027	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Online Power Flow Nonlinear Programming Modeling and Solution Acceleration Method Considering PV-PQ Switching	25PESGM-000270	Le Fu and Yuntao Ju
1028	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	A Novel Short-term Multi-energy Load Forecasting Method Based on VMD-MPA and Optimal Bagging Ensemble Learning	25PESGM-000273	Zhengyang Lin, Tao Lin, Jun Li, Chen Li and Xialing Xu
1029	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Electrical Collector System Planning for Co-located Offshore Wind and Tidal Current Farm Considering Temporal Variability	25PESGM-000594	Wenhao Gao, Xinwei Shen and Xiaochi Ding
1030	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Day-Ahead Bidding Strategy of Virtual Power Plants Considering Reconfigurable Heating Network	25PESGM-000740	Peinan Fan, Yixun Xue, Haotian Zhao, Xinyue Chang, Jia Su, Zening Li, Jingxuan Zhang, Pengfei Gu, Ke Wang and Hongbin Sun
1031	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Critical Clearing Time Sensitivity of Power Systems under Controlling Periodic Orbits	25PESGM-001005	Yuqian Zhang, Qinglai Guo, Nianfeng Tian, Yanzhen Zhou, Shuyu Jia and Aijia Luo
1032	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Machine Learning Techniques for Extreme Power Outage Forecasting with Imbalanced Data	25PESGM-001410	Mohammad Shahidehpour, Matin Farhoumandi, Sheida Bahramirad and Keith Dsouza
1033	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Distribution Feeder Resilience Enhancement in Adverse Weather Conditions by Effective Placement of Distributed Generators	25PESGM-001411	Mohammad Shahidehpour, Meher Preetam Korukondaa, Matin Farhoumandi and Keith Dsouza
1034	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Integrating Prosumers into VPPs in the Electricity Market with a Bi-level Bidding Model based on a Modified ADMM Method	25PESGM-002583	Hanyang Lin, Ye Guo, Zepeng Li, Shengyu Tao, Firdous Ul Nazir and Daniel Kammen
1035	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	A Carbon-Ancillary Services Market Nexus for High-Penetration Renewable Accommodation <br clear="all">	25PESGM-002636	Ran Zhang, Rouyu Lin, Lei Yan, Shaoyan Li, Jiayu Han, Zuyi Li and Mohammad Shahidehpour
1036	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Stochastic Energy Management of Power-Gas-Heat Microgrid With Uncertainties in Multi-Energy Loads Flexibility	25PESGM-002667	Mengxiao Chen, Yiheng Huang, Xiaoyu Cao and Lun Yang
1037	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Data-Driven Estimation and Joint Clearing of Power System Flexibility Using Mathematical Morphology	25PESGM-002714	Renjie Luo, Shuxu Li, Le Fang, Zhiyi Li, Xutao Han and Xuexian Liu
1038	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Neural Network-Embedded Low-carbon Dispatch Model for Integrated Power and Transportation System	25PESGM-002728	Zepeng Li, Qiuwei Wu, Hanyang Lin, Shengyu Tao, Xuan Zhang and Ye Guo
1039	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Joint Energy Efficiency and Peak Temperature Estimation of Battery Module Based on 3-D Two-state Thermal Model	25PESGM-002850	Daniyaer Paizulamu, Lin Cheng, Pengfei He and Helin Xu

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2001	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	SVR-Enhanced Optimization for Voltage Control in Observability-Limited Distribution Systems	25PESGM-000399	Jingyi Yuan, Jiaqi Wu, Yang Weng and Erik Blasch
2002	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Conformal Anomaly Detection for Data-Driven Dynamic Models in Power Systems	25PESGM-000646	Yao Xiao and Yifan Zhou
2003	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	ExARNN: An Environment-Driven Adaptive RNN for Learning Non-Stationary Power Dynamics	25PESGM-000938	Haoran Li, Muhao Guo, Marija Ilic, Yang Weng and Guangchun Ruan
2004	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	An Interpretable and Generalizable CGAT Learning for Cascading Failure Predictions in Power Systems	25PESGM-001089	Xiangjing Su, Shiqu Xiao, Yang Fu, Lujie Liu, Shurong Wei and Lirong Deng
2005	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Deep Quantile Transformer for Probabilistic Net Load Forecasting with Extreme Solar Penetration	25PESGM-001131	Cong Feng, Jun Hao, Rui Yang and Jie Han
2006	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Data-Centric Physics-Informed Graph Neural Networks for Ultra-Fast Power Flow Analysis	25PESGM-001166	Han Yue, Wentao Zhang, Yuzhang Lin and Hongfu Liu
2007	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Probabilistic Dynamic Line Rating Forecasting with Line Graph Convolutional LSTM	25PESGM-001216	Minsoo Kim, Vladimir Dvorkin and Jip Kim
2008	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Diffusion-assisted Model Predictive Control Optimization for Power System Real-Time Operation	25PESGM-002950	Linna Xu and Yongli Zhu
2009	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Forecasting of Dynamic Line Rating for Power Grid Enhancement Using Deep Gaussian Processes	25PESGM-000135	Junfeng Duan, Jie Lin, Bing Li and Wenxuan Yao
2010	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Accelerating Electromagnetic Transients Simulation with Variable Time Stepping	25PESGM-001232	Shrirang Abhyankar, Yuan Liu, Jinho Kim, Bruce Palmer, William Perkins, Yousu Chen and Shuangshuang Jin
2011	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Risk-Aware Planning of Power Distribution Systems Using Scalable Cloud Technologies	25PESGM-001302	Shiva Poudel, Poorva Sharma, Abhineet Parchure, Daniel Olsen, Sayantan Bhowmik, Tonya Martin, Dylan Locsin and Andrew Reiman
2012	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Low-Complexity Worst-Case Load Flow for Power Distribution Systems with Injection Uncertainties	25PESGM-002675	Kin Cheong Sou, Sei Zhen Khong and Henrik Sandberg
2013	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Improving Numerical Stability and Accuracy in Partitioned Methods with Algebraic Prediction	25PESGM-002815	Ahmad Ali, Haya Monawwar and Hantao Cui
2014	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Multi-Timescale Hydro Modeling with Integrated Hydrological Conditions: Flexibility Analysis and Its Impact on Grid Stability	25PESGM-002910	Ningchao Gao, Yuxin Deng, Lawryn Kiboma, KWAMI SEDZRO, Xin Fang, Slaven Kincic and JIN TAN
2015	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Impact of False Data Injection Attack on DER Integrated Distribution Systems	25PESGM-002999	NAZMUS SAQIB, Francis C Joseph, Kiran Kumar Challa, Souradeep Bhattacharya and Manimaran Govindarasu
2016	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Phase Identification in Wye-Connected and Delta-Connected Loads Under High PV Penetration	25PESGM-000458	Zong-Jhen Ye, Hongbo Sun, Jianlin Guo, Ye Wang and Hamed Mohsenian-Rad
2017	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	A Two-stage Interactive Phase Identification Framework using Smart Meter Data	25PESGM-000578	Ju Yicheng, Hsiao-Dong Chiang and Na Dong
2018	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Parameters Design Method for Distributed Grid-Forming Energy Storage with Stability and Safety Consideration	25PESGM-000815	Zhuhu Hua, Lei Shang and Xuzhu Dong
2019	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	A Line Distributed Parameter Model Suitable For Calculating Distribution Network Branch Lines	25PESGM-000857	Xiaodong Wu, Qinglong Liao, Xin Wang, Hong Xiang, Jian Dai and Anqi Tao
2020	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Distributed State Estimation in Multi-area DC MGs Experiencing Denial-of-Service Attacks	25PESGM-000904	Navid Vafamand, Innocent Kamwa, Abbas Rabiee and Seyed Masoud Mohseni-bonab
2021	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	The Coupling of Sequence Components in Converter-Connected Power Systems under Unbalanced Conditions	25PESGM-000943	Mingyuan LIU, Chengxi LIU, Zhi LIU and Kunhu WANG
2022	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Dynamic Droop Setting of Smart Inverters for Volt-VAr Control in Active Distribution Grids.	25PESGM-000964	Aashutosh Neupane, Sumit Paudyal and Oghuzan Ceylan
2023	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Pseudo-Measurement Enhancement in Power Distribution Systems	25PESGM-000986	Tao Xu, Kaiqi Wang, Jiadong Zhang, Ji Qiao, Zixuan Zhao, Hong Zhu and Kai Sun
2024	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Partial Parameters Identification of Aggregated Frequency Response Model for Microgrid Formation with Frequency-Domain Methods	25PESGM-001096	Dexiang Lai, Chen Chen, Pengfei Wu, Jian Zhong and Zhaohong Bie
2025	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Transformer Load Distribution Optimization using Dynamic Power Dispatch in Commercial Buildings	25PESGM-001138	Marcus Redford, Bhumika Arora, Hardeep Singh, Omar Kebedov, Kathy Manson, Ali Palizban and Constantin Pitis
2026	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Real-Time Line Parameter Estimation Method for Multi-Phase Unbalanced Distribution Networks	25PESGM-001293	Sakirat Wolly and Xiaozhe Wang

2027	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Modular Meter Placement for Enhancing Distribution System State Estimation Accuracy	25PESGM-001377	Yitong Liu, Alireza Rouhani, Junbo Zhao, Gang Cheng, Mamadou Diong and Keith Scott
2028	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Behind-The-Meter PV Disaggregation & A Neural Network Approach	25PESGM-002528	Weizhong Yan, Partha Mishra and Pengyuan Wang
2029	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Real-Time AI-Driven EV Charger Load Management for Residential Electrification	25PESGM-002541	Erhan Baturay Onural, Maryam Bazyari, Behrad Jamadi and Javad Fattahi
2030	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Curriculum Learning-Based Multi-Agent Reinforcement Learning for Coordinated Energy Adequacy in Active Distribution Networks	25PESGM-003043	Ibrahim Alsaleh and Abdullah Alassaf
2031	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Deep Reinforcement Learning for Demand Response of a Steel Plant in Energy and Spinning Reserve Markets	25PESGM-000053	Margi Shah, Yue Zhou, Jianzhong Wu and Max Mowbray
2032	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Implementation of a Novel Wide-Area Short-Circuit Protection Method on the Greek Transmission System	25PESGM-000279	Anibal Antonio Prada Hurtado, Mario Manana, Maria Teresa Villén Martínez, Eduardo Martínez Carrasco, Jose Saldana, Konstantinos F. Krommydas, Konstantinos A. Plakas, Christos-Spyridon G. Karavas, Efthimia Chassioti and Ioannis Moraitis
2033	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Embedded Deep Reinforcement Learning Controller for Flexible Load Management: An Approach Validated in a Hardware-in-the-Loop Platform	25PESGM-000330	Andeson Moraes, Pedro Barbalho, Denis Coury and Ricardo Fernandes
2034	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Large Language Model for Power System Scenario Generation Considering Weather Condition	25PESGM-000612	Xiyuan Zhou, Yuheng Cheng, Yuan Zhong, Huan Zhao, Yifan Zhu, Xinlei Cai, Yan Xu and Junhua Zhao
2035	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Integrating Discrete Quantum Predator-Prey Brain Storm Optimization with Robust Optimization for Active Distribution Network Reconfiguration	25PESGM-000839	Yusuke Kawauchi, Hiroyuki Mori, Hsiao-Dong Chiang and Shoichi Urano
2036	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	A CTGAN-Based Approach for Synthetic Data Generation of Low-Voltage Distribution Networks	25PESGM-000917	Minzhen Li, Wei-Yu Chiu, Bruce Stephen, Christos Tachtatzis and Weiqi Hua
2037	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Contextual prediction of electric vehicles charging using transfer learning	25PESGM-001134	Catarina Henriques, Tiago Pinto and Hugo Morais
2038	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	A Data-Driven Method for Microgrid System Identification: Physically Consistent Sparse Identification of Nonlinear Dynamics	25PESGM-001275	Mohan Du and Xiaozhe Wang
2039	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Efficient Probabilistic Assessment of Power System Resilience Using the Polynomial Chaos Expansion Method with Enhanced Stability	25PESGM-000002	Aidan Gerkis and Xiaozhe Wang
2040	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Online Resilience Assessment for Transmission Systems Using Explainable Spatial-Temporal Graph Learning	25PESGM-000180	Pengfei Wu, Chen Chen, Dexiang Lai, Keren Wang and Zhaohong Bie
2041	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	An AC Power Flow Model Convergence (ACPF-MC) Tool for Extreme Contingencies in Bulk Energy Systems	25PESGM-000376	Michael Abdelmalak, Kaveri Mahapatra, Molly Rose Kelly-Gorham, Tawsif Ahmad, Bharat Vyakaranam, Quan Nguyen, Tony Nguyen, Mark Rice and Jason Fuller
2042	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Power Supply Preservation Strategy for Distribution Networks Based on Load Classification and Scheduling in Extreme Heat Scenarios	25PESGM-000519	Ruoxuan Zhao, Qiming Yang, Gengfeng Li, Yiheng Bian, Hongrui Lu and Zhaohong Bie
2043	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Enhancing Power System Resilience Through Optimum Client Recovery	25PESGM-000570	Pablo Mendez-Curbelo, Meng Zhao, Patrick Maloney, Xinda Ke, Orestis Vasios, Kaveri Mahapatra, Xue Li, Michael Abdelmalak, Alexandre Nassif, Fernando Bereta dos Reis, Vishvas Chalisshazar, Juan Bedoya-Ceballos, Xiaoyuan Fan and Marcelo Elizondo
2044	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Probabilistic Capacity Availability Tool for Risk Assessment in Electric Grid Operations	25PESGM-000877	Ranyu Shi, Riaz Khan, Luke Butler, Nitika Mago and Jeff Billo
2045	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Assessment of Offshore Wind Power on Grid Adequacy Considering the Grid-Connected System Limitation and the Offshore Wind Power Uncertainty	25PESGM-000913	Xiangjing Su, Liang Tang, Lujie Liu, Shuo Wu, Qiuhui Chen and Yang Fu
2046	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Three-Stage Resilience Enhancement Strategy for Distribution Networks with Frequency Constraints and Source-Bus Modeling	25PESGM-000980	Runze Han, Yiheng Bian, Haipeng Xie, Shun Yao Zhang, Di Zhang and Qi Cao
2047	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Proactive Planning for Reliable Electrification in Areas at Extreme Climate Risks	25PESGM-002509	Siavash Hosseini, Narges Fatemi and Javad Fattahi
2048	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Data-Driven Resilience Assessment for Power Systems under Uncertain Scenarios	25PESGM-002578	Peng Wang, Xue Li, Zeyu Liu and Tao Jiang
2049	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Data-Driven Hybrid Framework for Generating Synthetic Renewable Energy Data	25PESGM-002741	Andres Lopez, Atri Bera, Cody Newlun, Tu Nguyen, Tim Wilcox, Dilip Pandit and Jason Liu
2050	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Wildfire Consequence: Quantifying real world impacts of utility caused wildfires	25PESGM-002935	Michael Dann, V Krishna Akkineni, Manuj Sharma, Sam Borgeson and Jon Eric Thalman

2051	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Extreme Scenario Characterization for High Renewable Energy Penetrated Power Systems over Long Time Scales	25PESGM-003030	Kai Kang, Feng Liu, Yifan Su and Zhaojian Wang
2052	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	The Impact of Transmission Line Model Selection on GMD Simulation Results	25PESGM-000092	Gian Paramo
2053	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Challenges of Single-Phase Open Circuit Ride-Through in Wind Farms	25PESGM-000390	Lingling Fan, Rahul Halugudde Ramakrishna, Zhixin Miao and Jiyuan Fan
2054	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Accurate Calculation of Switching Events in Electromagnetic Transient Simulation Considering State Variable Discontinuities	25PESGM-000517	Sheng Lei
2055	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Bidirectional District Heating Network Pipe Model Based on Circuit Equivalents	25PESGM-000562	Yizhong Hu, Jalal Dadkhah, Janesh Rupasinghe and Yi Zhang
2056	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Quantum Shifted Frequency Analysis through Krylov Subspace Decomposition	25PESGM-000645	Sijia Yu and Yifan Zhou
2057	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	A Novel Expansion Method to Enlarge the Estimation of Stability Region for Grid-Tied Inverters	25PESGM-000731	Jiaqi Li and Hsiao-Dong Chiang
2058	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Damping LFOs: Grid Following with Power Oscillation Damping vs Grid Forming vs PSS	25PESGM-000756	Tamojit Chakraborty, Anamitra Pal and Sam Maleki
2059	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Will Type-4 Wind Farms Worsen SSRs in Type-3 Wind Farms?	25PESGM-000869	Zhengyu Wang, Zhixin Miao, Lingling Fan, Deepak Ramasubramanian and Yunzhi Cheng
2060	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	A Survey of Open-Source Power System Dynamic Simulators with Grid-Forming Inverter for Machine Learning Applications	25PESGM-001106	Tong Su, Jiangkai Peng, Alaa Selim, Junbo Zhao and Jin Tan
2061	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Leveraging Real-Time Digital Simulations for Fast, Accurate Dynamic and Stability Studies of IBR Dominated Hybrid AC-MTDC Grids	25PESGM-002773	Satish Kumar Ancha, Zerui Dong, Juan Paez-Alvarez, Wei Li and Aditya Ashok
2062	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Transient Stability Assessment and Interpretability Study Based on Wavelet Transform Images	25PESGM-000009	Yuan Zeng, Zixuan Zheng, Junzhi Ren and Wenya Xue
2063	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Stability Region Boundary of Multi-Paralleled Grid-Following Converter Systems Considering PLL Coupling Interactions	25PESGM-000018	Naiyuan Liu, Zhenglong Sun and Zhifeng He
2064	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Predicting State of Charge of Energy Storage Resources Based on Machine Learning	25PESGM-000055	Jian Ma and Pengwei Du
2065	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Flexible Conditioning on Variational Auto-Encoder for Versatile Renewable Scenario Generation	25PESGM-000294	Chenxi Wang and Yi Wang
2066	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Accuracy and Stability of the Second-Order Adams-Bashforth Method and the Trapezoidal Method in Power System Dynamic Simulations	25PESGM-000352	Mikhail Borodulin
2067	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Impact of Volt-var Curve on the Anti-Islanding Protection of Distributed Synchronous Generators	25PESGM-000421	Gabriella Pinheiro Santos, Artur Bohnen Piardi, Ryan Floriani S. Sousa, Pedro Inacio N. Barbalho, Nadia Carolina Ribeiro, Daniel Motter, Jose Carlos Melo Vieira, Denis Vinicius Coury and Heliton Oliveira Vilbor
2068	Red - Power Systems	Analytic Methods for Power Systems Poster Session	PAGN: A Prony-based Adaptive Graph Network for Wideband Oscillation Source Localization	25PESGM-000508	Quan Li, Wei Qiu, Yuqing Dong and Suhang Wang
2069	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Fast Extraction of Distorted Portion of Non-Stationary Signals Using a Dynamic Adaline	25PESGM-000516	Ahmadreza Eslami, Michael Negnevitsky, Evan Franklin and Sarah Lyden
2070	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Identifying PV Interconnection Requests at Risk of Experiencing High Clipping due to Volt-Var Function Using AMI Data	25PESGM-000668	Karen Montano Martinez, Shammya Shananda Saha and Jouni Peppanen
2071	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Discrete-time State-space Modeling and Eigenvalue Analysis of Grid-connected DFIG Wind Farm	25PESGM-000800	MiaoHong Su, Yuhong Wang, Shilin Gao and Tian Cao
2072	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Assessing Short Circuit Levels as a Measure of System Strength in Future Grids with Uneven Distribution of Inertia and High Percentages of IBR	25PESGM-000822	Stephen Sommerville, Gareth Taylor and Maysam Abbod
2073	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Analysis of Near Fundamental Frequency Oscillations in Wind Power with HVDC Transmission Based on the Elastic Energy Theory	25PESGM-000838	Kunhu Wang, Chengxi Liu, Mingyuan Liu and Zhi Liu
2074	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Profit-Maximizing Scheduling of Mobile Charging Stations Using Deep Reinforcement Learning: A Case Study in Chattanooga	25PESGM-000868	Atefeh Alirezazadeh and Vahid Disfani
2075	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Safe Reinforcement Learning-based Automatic Generation Control	25PESGM-000893	Amr Mohamed, Emily Nguyen and Deepa Kundur
2076	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Machine Learning based Digital Twin model of Inverter-based Photovoltaic System	25PESGM-000936	Namita kumari, Ankush Sharma, Binh Tran and Daminda Alahakoon

2077	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Assessing GFM-Induced Low-Frequency Oscillation Stability in Multi-GFM Converter Systems	25PESGM-000941	Xiuyu Zhan, Hui Yuan, Jiang Dai, Shiyang Li and Yan Chen
2078	Red - Power Systems	Analytic Methods for Power Systems Poster Session	An Energy Storage-First Renewable Energy Dispatch Principle for Exporting Regions with Multi-tier Coupled Section	25PESGM-001028	Kai Jiang, Kunyu Wang, Yubing Chen, Lin Yang, Wen Tang, Peipei Yang and Nian Liu
2079	Red - Power Systems	Analytic Methods for Power Systems Poster Session	A Method for Multiple TSO-DSO Interfaces Flexibility Region Using Security Boundary Hyperplane Dimensionality Reduction	25PESGM-001058	Boru Song and Yixin Yu
2080	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Adaptive Hierarchical Distributed Consensus for Energy Management in Networked Microgrids	25PESGM-001116	Aditya Joshi and Mo-Yuen Chow
2081	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Power System Anomaly Detection via Context-Aware Learning	25PESGM-001162	SangWoo Park and Amritanshu Pandey
2082	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Dynamic Performance Analysis of an Inverter-Based PV Plant during Sunrises and Sunsets through Synchrophasors	25PESGM-001193	Bikal Pudasaini, Luigi Vanfretti, Chetan Mishra, Jaime De La Ree Jr. and Kevin D Jones
2083	Red - Power Systems	Analytic Methods for Power Systems Poster Session	PMU Data Event Classification using TranAD-Autoencoder-Clustering Approach	25PESGM-001294	Tse-Chun Chen and Kaveri Mahapatra
2084	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Reliability Modeling of Non-Repairable Inverter Failures: A Semi-Markov Approach	25PESGM-001327	Josue Sánchez, Joydeep Mitra, Mohammed Benidris, Shijia Zhao and Feng Qiu
2085	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Mechanism of LVRT Control of IBR on Transient Stability of Synchronous Condenser	25PESGM-001342	Xiaotong Wang, Tong Wang, Zichang Han, Zengping Wang and Zhe Lv
2086	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Multi-period Distribution Optimal Power Flow with Intertemporal Constraints of Discrete Control Devices	25PESGM-002712	João Rodrigo Muniz, Camila Alves, José Manuel Arroyo and Eduardo Asada
2087	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Time Series Modeling for Data Driven Supervised Learning in Power System Applications	25PESGM-002749	Alhaad Velhal, Shashank Verma, Madhavi Parimi, Sudhir Bhil and Sunny Kumar
2088	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Grid-forming Inverter implementation using Arty A7 100T: A FIL for microgrid analysis	25PESGM-002754	OJASVI SONONE, AMEY CHAVEKAR, PARTHSARTHI GOYANKA and SUNNY KUMAR
2089	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Enhanced Tensor-Completion Distribution System State Estimation Considering Measurement Outliers and Noises	25PESGM-002759	Bo Liu, Haosen Wang, Hongyu Wu, Rui Yang and Yichen Liu
2090	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Grid-forming Control of Converter Infinite Bus System: Modeling by Data-driven Methods	25PESGM-002777	Amir Bahador Javadi and Philip Pong
2091	Red - Power Systems	Analytic Methods for Power Systems Poster Session	An Automatic Configurable Case Builder for Comprehensive Variable Generation Scenarios	25PESGM-002826	Kelvin Tan, Yuan Liu and Yousu Chen
2092	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Cooperative Optimization of Grid-Edge Cyber and Physical Resources for Resilient Power System Operation	25PESGM-002862	Xiang Huo, Shining Sun, Khandaker Akramul Haque, Leen Al Homoud, Ana E. Goulart and Katherine R. Davis
2093	Red - Power Systems	Analytic Methods for Power Systems Poster Session	An Assessment of the Economic and Reliability Impacts of Dynamic Line Rating	25PESGM-002864	Alaaeldin Abdelkader, Josue Sánchez, Abdelrahman Abdelkader, Mohammed Benidris and Joydeep Mitra
2094	Red - Power Systems	Analytic Methods for Power Systems Poster Session	EMT Model Validation of a 2 MVA PV Inverter via Transient and Frequency-Domain Hardware Testing	25PESGM-002870	Shahil Shah, Przemyslaw Koralewicz, Pengxiang Huang, Vahan Gevorgian, Robb Wallen, Emanuel Mendiola, Jing Wang, Siddharth Pant, Pooja Gupta, Huzaifa Karimjee, Lang Chen and Andrew Arana
2095	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Meta-model Neural Process for Probabilistic Power Flow under Varying N-1 System Topologies	25PESGM-002955	Sel ly, Kapil Chauhan, Anshuman Singh and Hung Nguyen
2096	Red - Power Systems	Analytic Methods for Power Systems Poster Session	A Systematic Oscillation Source Location Estimation Method for Ultra-Low Frequency and Sub-Synchronous Oscillations in Power Systems	25PESGM-002961	Yan Wen, Wenpeng Yu, Hao Fu, Lin Zhu, Evangelos Farantatos, Naga Lakshmi Thotakura, Sufan Jiang, Saurav Dulal and Yilu Liu
2097	Red - Power Systems	Analytic Methods for Power Systems Poster Session	Reinforcement Learning-Based Secondary Control Strategy for Voltage and Frequency Regulation in Islanded Inverter-Based Microgrids	25PESGM-002977	Omar Rodriguez-Martinez, Jan Diaz, Juan Patarroyo, Maximiliano Ferrari and Fabio Andrade
2098	Red - Power Systems	Power & Energy Education Poster Session	An Analogy of Frequency Droop Control for Grid-forming Sources	25PESGM-000289	Minghui Lu and Brett Ross
2099	Red - Power Systems	Power & Energy Education Poster Session	Teaching Protection of Transmission Lines fed by IBRs in Electrical Engineering Labs	25PESGM-003029	Derrick Agbenya, Paulo Pinheiro, Brian Johnson, Romulo Bainy, Hangtian Lei, Jing Wang, Andy Hoke and Cameron Kruse
2100	Red - Power Systems	Power System Dynamic Performance Poster Session	Synchrophasor-Based Real-Time Oscillation Detection Tool Using Semi-Supervised Learning Approach at California ISO/RC West	25PESGM-000044	Cheng Qian
2101	Red - Power Systems	Power System Dynamic Performance Poster Session	Challenges of Decentralized Stochastic Control of Discrete Flexible Resources	25PESGM-000068	Angel Vaca and Angel Molina Garcia
2102	Red - Power Systems	Power System Dynamic Performance Poster Session	ResNet-1D CNN-based Grid Frequency Estimation	25PESGM-000107	Chufeng Sun, Xiangxing Guo, Miltos Alamaniotis, Yuanxiong Guo and Bin Wang
2103	Red - Power Systems	Power System Dynamic Performance Poster Session	Transient Stability Performance due to Fault Current Injection Behavior of Inverter Based Resources	25PESGM-000342	Dinesh Pattabiraman and Niranjana Patil

2104	Red - Power Systems	Power System Dynamic Performance Poster Session	A Bootstrapping Approach to Setting Thresholds for RMS-Energy Oscillation Detectors	25PESGM-000398	JIM FOLLUM, Shuchismita Biswas, Tawsif Ahmad, Clifton Black and Michael Breuhl
2105	Red - Power Systems	Power System Dynamic Performance Poster Session	Assessing Inertial Response Time of Grid-Forming Converters: A Comprehensive Evaluation	25PESGM-000720	Sun Li, Tiancheng Zhou, Yunshuai Pan and Wenjiang Zhu
2106	Red - Power Systems	Power System Dynamic Performance Poster Session	Lyapunov-Based Quantitative Real-time Assessment of Resilience and Stability in AC Microgrids	25PESGM-000754	Lydia Asare and Javad Khazaei
2107	Red - Power Systems	Power System Dynamic Performance Poster Session	Evaluating a Generic DER Aggregation Dynamic Model Using Open-Access Phasor Measurements	25PESGM-000770	Pavel Etingov, Shuchismita Biswas, James Follum, Tianzhixi Yin, Tawsif Ahmad, Kaustav Chatterjee, Antos Cheeramban Varghese and Syed Ahsan Raza Naqvi
2108	Red - Power Systems	Power System Dynamic Performance Poster Session	Distributed Control and Optimization of Virtual Inertia in Power Systems	25PESGM-000803	Ajay Yadav, Mohammed Olama, Ali Ekti and Nils Stenvig
2109	Red - Power Systems	Power System Dynamic Performance Poster Session	Online Quantification Method for System Strength of Heterogeneous Multi-converters Power Systems from a Small Signal Stability Perspective	25PESGM-000978	Yu Tang, Guang Hu, Yongxin Zhang, Tingxiang Liu, Zhongyu Fu and Huanhai Xin
2110	Red - Power Systems	Power System Dynamic Performance Poster Session	Oscillation Analysis for Power Systems Dominated by Grid-Forming Converters	25PESGM-001137	Xiuyu Zhan, Hui Yuan and Di Wu
2111	Red - Power Systems	Power System Dynamic Performance Poster Session	Analysis of Oscillation Energy Flow in IBRs Causing Poorly-Damped Natural SSO Modes	25PESGM-001155	Lilan Karunaratne, Nilanjan Ray Chaudhuri, Sina Ameli and Constantino Lagoa
2112	Red - Power Systems	Power System Dynamic Performance Poster Session	A Dynamic Phasor Framework for Analysis of Grid-Forming Converter Connected to Series-Compensated Line	25PESGM-001176	Fiaz Hossain and Nilanjan Ray Chaudhuri
2113	Red - Power Systems	Power System Dynamic Performance Poster Session	Virtual Damping Control for Improving the Synchronization Stability of Grid-Following VSCs	25PESGM-001213	YANG LONG and XIAORU WANG
2114	Red - Power Systems	Power System Dynamic Performance Poster Session	Impact of DER Control on Transmission Ground Fault Overvoltage	25PESGM-001231	Aboutaleb Haddadi, Deepak Ramasubramanian and Evangelos Farantatos
2115	Red - Power Systems	Power System Dynamic Performance Poster Session	Transient Stability Enhancement via Grid-Forming IBRs on a 5000-bus New York Transmission System	25PESGM-001253	Mohammad Ali Dashtaki, Xuheng Lin, Ziang Zhang, Reza Pourramezan, Sagnik Basumallik and Hossein Hooshyar
2116	Red - Power Systems	Power System Dynamic Performance Poster Session	Stability Assessment and Guided Droop Design for Grid-Forming Inverter Resources in Bulk Grid	25PESGM-001282	Ramij Raja Hossain, Kaustav Chatterjee, Kyung-Bin Kwon, Sayak Mukherjee, Soumya Kundu, Marcelo Elizondo and Veronica Adetola
2117	Red - Power Systems	Power System Dynamic Performance Poster Session	A Multi-level Control Framework of Hybrid Hydrogen Electrolyzer System for Frequency Support in an Islanded Microgrid	25PESGM-001349	Jiachi Zhu, Yan Xu and Weitao Yao
2118	Red - Power Systems	Power System Dynamic Performance Poster Session	Data-Driven Defense Strategy of Modal Resonance-Oriented Cyber-Attack Against Wide-Area Damping Control	25PESGM-001407	Zhaoyuan Wang, Siqi Bu, Ruoheng Wang and Xianyu Zhou
2119	Red - Power Systems	Power System Dynamic Performance Poster Session	Application of Second-Order Normal Forms to Capture Nonlinear Power System DAE Dynamics	25PESGM-002564	Erfan Kharazian, Amarsagar Reddy Ramapuram Matavalam, Aurélien Grolet, Bin Wang and Xavier Kestelyn
2120	Red - Power Systems	Power System Dynamic Performance Poster Session	Steady-State Voltage Stability and Synchronization Loop Dynamics In Grid-Following And Grid-Forming Inverters	25PESGM-002630	GAURAB DASH and Nilanjan Senroy
2121	Red - Power Systems	Power System Dynamic Performance Poster Session	Impact of Grid-Forming Inverter's Interactions on Small-Signal Stability	25PESGM-002688	Marzie Mirmohammad, Sahar Pirooz Azad and Gen Li
2122	Red - Power Systems	Power System Dynamic Performance Poster Session	Data-driven Early Warning of Power System Oscillations in Great Britain	25PESGM-002694	Kevin Kawal, Qiteng Hong, Si Guo, Adam Dysko, Bruce Stephen, Agusti Egea Alvarez and Campbell Booth
2123	Red - Power Systems	Power System Dynamic Performance Poster Session	Adaptive Damping Controller for Mitigating the SSCI Be-tween Renewable Energy Power Plants and AC Power Grids under Black/Grey-box Situations	25PESGM-002716	Zhi Liu, Chengxi Liu and Zebin Weng
2124	Red - Power Systems	Power System Dynamic Performance Poster Session	Grid-Forming Inverter Applications for Improved Reliability and Power Quality in AI Data Centers	25PESGM-002736	Anuoluwapo Aluko, Ali Azizi, Sam Maleki, Reza Salehi and Hasan Bayat
2125	Red - Power Systems	Power System Dynamic Performance Poster Session	Visualization for Quicker Insights into Dynamic Response of Large Power Network	25PESGM-002740	Giritharan Vijay Iswaran, Sushrut Thakar, Deepak Ramasubramanian, Andrew Siler, Matthew Richwine, Nicholas Miller and Julia Matevosyan
2126	Red - Power Systems	Power System Dynamic Performance Poster Session	Recent Forced Oscillation Event Assessment for Secured India Power Grid	25PESGM-002767	Karan Katariya, Subhash Kumar, Aman Gautam, Kishore Kalita, Bimal Swargiary, Amaresh Mallick, Deepak Pullaguram and Ashok Kumar Pradhan
2127	Red - Power Systems	Power System Dynamic Performance Poster Session	Lightweight Computation of Controlled Islanding Stability	25PESGM-002786	Abiodun Oseni and Eduardo Cotilla-Sanchez
2128	Red - Power Systems	Power System Dynamic Performance Poster Session	Conformal Time Series Forecasting with Uncertainty Quantification for Anomaly Detection	25PESGM-002809	Matthew Shinkle and Kaveri Mahapatra

2129	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Stability Enhancement of GFM Converter-based Grids through Optimal Current Saturation and Adaptive Control Strategy	25PESGM-002878	Faisal Jamsheed, Abdul Saleem Mir and Sukumar Mishra
2130	Red - Power Systems	Power System Dynamic Performance Poster Session	EMT Boundary Determination for Hybrid EMT-TS Simulations with Inverter-Based Resources	25PESGM-002885	Mohammed N. Khamees, Kai Sun, Bin Wang, Qiang Zhang, Slava Maslennikov, Xiaochuan Luo and Xinghao Fang
2131	Red - Power Systems	Power System Dynamic Performance Poster Session	Black Start Feasibility Study of Back-to-Back Converters in Microgrid Building Blocks	25PESGM-002911	Sang Won Seo, Sanjeev Pannala, Yashodhan Agalgaonkar and Rob Hovsapien
2132	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Modeling of Active Distribution Networks Using the Aggregate Parameterized DER_A Model for Voltage Stability Studies	25PESGM-002982	Jesus D. Vasquez-Plaza, Jan L. Diaz, Omar F. Rodriguez-Martinez and Fabio Andrade
2133	Red - Power Systems	Power System Dynamic Performance Poster Session	Modeling and Power-hardware-in-the-loop Validation of Synchronous Machine Governor	25PESGM-003008	Fuhong Xie, Alan Burck, Robb Wallen, Dan Berteletti and Barry Mather
2134	Red - Power Systems	Power System Dynamic Performance Poster Session	Generalized Passivity-based Control for Obtaining Passive Impedance of GFM-VSCs above 2	25PESGM-003013	Pengxiang Huang and Shahil Shah
2135	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Multidimensional Probabilistic Forecasting Based Distributionally Robust Optimization for Reserve Scheduling	25PESGM-000090	Kaiming Zhang, Chenxin Yue, Can Wan, Zhiqiang He, Yuqi Xu and Ziyue Wang
2136	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	A Lagrangian-Informed Long-Term Dispatch Policy for Coupled Hydropower and Photovoltaic Systems	25PESGM-000450	Eliza Cohn, Ning Qi, Upmanu Lall and Bolun Xu
2137	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Implications of Wildfires on Hydropower Operations: Case Studies	25PESGM-000484	Shahnawaz Siddiqui, Pablo Mendez-Curbelo, Sohom Datta, Torsten Kieper, Vishvas Chalishazar and Abhishek Somani
2138	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Online Dynamic Ensemble Framework for Improving Bulk System Operational Load Forecasting	25PESGM-000687	Cheng Lyu, Marija Markovic, David Larson, Adam Simkowski and Arezou Ghesmati
2139	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Scheduler Modeling of Distributed Energy Resources for Providing Ancillary Services	25PESGM-000697	Xiaofei Wang, Jing Wang, Joshua Comden, Cindy Buck, Nicholas Pollman and Benjamin Sigrin
2140	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	A More Accurate Spinning Reserve Model Incorporating Physical Ramp Rates and Limited Participation	25PESGM-000741	Shubo Zhang, John Meyer, Iiro Harjunoski, Khosrow Moslehi and Pradip Kumar
2141	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Robust Dynamic Feasible Region of Transmitted Power by Tie-Lines for Inter-Regional Power System	25PESGM-000955	Huiji Wang, Deping Ke, Jian Xu, Siyang Liao and Xinxiong Jiang
2142	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Integrating Renewables and Grid-Forming Loads for Optimized Parallel Black-Start Restoration	25PESGM-001030	Yanting Huang, Shunbo Lei, Ying Wang, Jianghua Wu, Gang Huang and Akang Wang
2143	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Advanced Dispatch of Energy Storage for Reliable Grid Operation in Real-Time Market	25PESGM-001086	David Gumina, Yazhou Jiang, John Meyer, Shubo Zhang and Pradip Kumar
2144	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Signal Processing Methods to Enhance the Power Oscillation Damping Control Parameters Setting in Inverter-Based Resources: Damping Factor Estimation and Sensitivity Analysis	25PESGM-001147	Antonio Bracale, Pierluigi Caramia, Pasquale De Falco, Laurent Gagneur, Andrea Verdicchio and Piotr Kuwalek
2145	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Frequency Nadir Constrained Unit Commitment Considering Multi-type Generation Resources	25PESGM-001333	Yehong Peng, Ming Jin, Zijing Zhang and Yong Fu
2146	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Receiving-end AC Network Restoration Method for Supporting LCC-HVDC Startup Based on SCC explicit Modeling	25PESGM-002463	Shaoyan Li, Shuai Wang, Xueping Gu, Ke Cao, Lei Yan and Zuyi Li
2147	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Study of DER Voltage Ride-Through with Transmission and Distribution Co-Simulation	25PESGM-002835	Mingguo Hong, Xiaochuan Luo, Pradip Vijayan, Tongxin Zheng, Trevor Hardy, Alok Bharati, Aaron Hanenkratt and Daniel Kopin
2148	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Weather-Dependent Modeling of Gas-Fired Generator Output in Extreme Winter Conditions	25PESGM-002873	Sajjad Uddin Mahmud and Anamika Dubey

2149	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Distributed Coordination of Grid-Forming and Grid-Following Inverter-Based Resources for Optimal Frequency Control in Power Systems	25PESGM-002993	Xiaoyang Wang and Xin Chen
2150	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Deep-Learning-Directed Preventive Dynamic Security Control via Coordinated Demand Response	25PESGM-003021	Amin Masoumi and Mert Korkali
2151	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	A Model Predictive Control Based Microgrid Operation Strategy Combining Short-Term and Ultra-Short-Term Forecasts	25PESGM-003045	Dazhong Sun, Zhiqiang Duan, Mingxi Zhou and Yu Liu
2152	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Comparative Performance Assessment of GFM and GFL BESS at Maximum Current Limit	25PESGM-000343	Poria Astero, Sun Wook Kang and Fred Huang
2153	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Coordinated Planning Method of Optimal Transmission Switching and Current Limiter Configuration with Short-Circuit Current Constraints	25PESGM-000361	Yenan Wang, Haiwang Zhong, Yingjun Zhuo, Siyu Lu and Baorong Zhou
2154	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Impact Analysis of Utility-Scale Energy Storage on the ERCOT Grid in Reducing Renewable Generation Curtailments and Emissions	25PESGM-000506	Cody Buehner, Sharaf Magableh, Oraib Dawaghreh and Caisheng Wang
2155	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Equitable deployment of charging stations for electric heavy-duty vehicles	25PESGM-000665	Liam McGee
2156	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Wideband-oscillation Stability Constrained Power System Planning with High Penetration of Renewable Energy	25PESGM-000692	Chengxiao Wei, Xiuli Wang, Haitao Zhang, Xiong Wu, Pu Cheng and Xifan Wang
2157	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	A stochastic adaptive robust generation expansion method considering frequency security under source-load volatility and contingencies	25PESGM-000866	Sicheng Zhou
2158	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Stochastic Capacity Planning Under Hydropower and Energy Storage Investment Uncertainties	25PESGM-000989	Patrick Maloney, Osten Anderson, Jesse Holzer, Saptarshi Bhattacharya, Konstantinos Oikonomou and Di Wu
2159	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Capital Recovery-Aware Capacity Expansion for Charging Networks in Coupled Power-Transportation Systems	25PESGM-001222	Qingchen Xu, Tao Qian, Qinran Hu and Zeyu Liang
2160	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Bridging the Data Gap: Integrating Climate Projections into Grid Planning for Weather-Driven Events	25PESGM-001228	Yanwen Xu, W. Neal Mann, Akintomide Afolayan Akinsanola, Todd Levin, Pingfeng Wang and Zhi Zhou
2161	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Potential Impact of Hydrological Modeling on Power System Reliability	25PESGM-001336	Slaven Kincic, Sohom Datta, Sameer Nekkalapu, Dewei Wang, Bhaskar Mitra and Marianna Vaiman
2162	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Nodal Design of a US-Wide MTDC Overlay in Production Cost Modeling Using Industry Planning Cases	25PESGM-001432	Eran Schweitzer, Kevin Harris, Konstantinos Oikonomou and Nader Samaan
2163	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Reactive power reserves gap evaluation in clean energy production scenarios: the Sardegna study case	25PESGM-002707	Valentin Ilea, Aleksandar Dimovski, Marco Merlo, Riccardo Nebuloni, Alberto Berizzi, Giuseppe Lisciandrello, Giovanni Rinzo, Tiziano Daversa and Luca Orru
2164	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	gSCR-Constrained Grid-Forming Energy Storage Planning For 100% Renewable Energy Systems	25PESGM-002710	Ziyue Li, Jiaxin Wang, Zhuoyuan Yong, Haiwang Zhong, Yingjun Zhuo and Siyu Lu
2165	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Extended Conditions for the Occurrence of Transmission Line Static Transfer Stability Limits	25PESGM-002787	Jeferson Pedrilho, Tatiane Fernandes, Guilherme Lage and Luis Alberto
2166	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Power Alignment Function: Estimation and Application to Placement of Energy Storage Systems	25PESGM-002805	Sarangan Rajendran, Nirasha Bataduvarachchi, Amirthagunaraj Yogarathnam, Aravinthan Visvakumar, Al Tamimi and Vinay A Visvakumar

2167	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Towards Resilient Transmission Grids: Enhancing Stochastic Transmission Planning Through Deep Uncertainty Sources Considerations	25PESGM-002888	Matías Paredes-Vergara, Ricardo Álvarez-Malebrán, Danny Espín-Sarzosa, Junior Véliz, José Peña, Angela Flores-Quiroz, Rodrigo Palma-Behnke, Valentina Norambuena, Pedro Gutiérrez, Ignacio Nancupil, Manuel Bravo, Lilian Hernández, Pablo Fernández, Jerson Reyes, Felipe Ruiz and César Guerrero
2168	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	An Efficient Data-Driven Model for Generation Expansion Planning with Short Term Operational Constraints	25PESGM-002998	Hassan Shavandi, Mehrdad Pirnia and David Fuller
2169	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Risk-based Dispatch of a Three-phase Unbalanced Distribution Network for Maximizing Renewable Generation	25PESGM-000122	Hongzhang Sheng and Yan Xu
2170	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Fast Acquisition of Static Voltage Stability Region of a Distribution Network via Feasible Region Projection	25PESGM-000124	Hongzhang Sheng and Yan Xu
2171	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Energy Management of Net-Zero Multi-energy Microgrids: An Interior-Point Safe Deep Reinforcement Learning Approach	25PESGM-000186	Ahmed Shaban Omar and Ramadan Elshatshat
2172	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Integrated Framework for Resilient and Environmentally Sustainable Utility Pole Management in Power Distribution Systems	25PESGM-000197	Jaeyeong Lim and Abdollah Shafieezadeh
2173	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Source-grid-storage Coordinated Dispatching of Island Microgrids Allowing Non-steady Output of Wave Energy Generation	25PESGM-000237	Weijie He, Fanrong Wei, Benshuo Gu, Chunhan Bai, Lanxuan Guo, Xiangning Lin, Lufan Zhao and Zichen Zhang
2174	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Co-Optimizing Distributed Energy Resources under Demand Charges and Bi-Directional Power Flow	25PESGM-000251	Ruixiao Yang, Gulai Shen, Ahmed Alahmed and Chuchu Fan
2175	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	An Adaptive Virtual Impedance Control Strategy for the Mitigation of Inrush Currents in Dynamic Boundary Microgrids	25PESGM-000419	Yu Su, Dingrui Li, Fred Wang and Yilu Liu
2176	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Distribution Service Transformer Loading Analysis with EV Grid Integration	25PESGM-000554	Mingzhi Zhang, Zhao Cai Liu, Nadia Panossian, Emin Ucer, Erik Pohl and Mithat John Kisackikoglu
2177	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Distribution System Expansion Planning with Nonlinear Power Flow Models	25PESGM-000555	Eli Brock, Charles Gulian, Miguel Heleno, Javad Lavaei and Somayeh Sojoudi
2178	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Employing MISOC Relaxations to Solve Distribution Optimal Network Reconfiguration	25PESGM-000603	Roberto Cometa, Angelo Velini, Massimo La Scala, Rossano Musca, Manuela Minetti, Andrea Bonfiglio and Sergio Bruno
2179	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Optimal Power Dispatch Strategy for a Heterogeneous Microgrid System: A Case Study	25PESGM-000653	Rabia Khan, Ayesha Khan and Zewar Hussain
2180	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	State Estimation for AC Distribution Systems Using an LSTM Network for Pseudo-Measurement Modeling	25PESGM-000670	Mohammad Razeghi-Jahromi, Moein Choobineh, Rostan Rodrigues and Amanuel Melese
2181	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Securing Demands in Coupled Heating and Power Distribution Systems during Cold Waves	25PESGM-000737	Weitao Chen, Xiaojun Wang, Wei Wei and Yin Xu
2182	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Optimal Planning of Distribution Network Access for Deferring Network Reinforcement	25PESGM-000760	Zhiwei Lin, Yue Zhou, Xun Jiang, Wei Gan, Wangbiao Zhou and Jianzhong Wu
2183	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	QSTS Simulation of Centralized PV and Controlled Storage on a Distribution System using Python	25PESGM-000848	Thad Haines, Brooke Marshall Garcia, Andrea Mammoli and Matt Lave
2184	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Towards Net-Zero Emission in Hybrid Microgrids: A Data-Driven MPC-Based Optimization Approach	25PESGM-000940	Ahmed Abdelaziz and Ramadan EL Shatshat

2185	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	On the Potential of Digital Twins for Distribution System State Estimation with Randomly Missing Data in Heterogeneous Measurements	25PESGM-001051	Ying Zhang, Yihao Wang, Yuanshuo Zhang, Eric Larson, Fanping Sui and Di Shi
2186	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Resiliency metrics quantifying emergency response in a distribution system	25PESGM-001080	Shikhar Pandey, Gowtham Kandaperumal, Ian Dobson and Arslan Ahmad
2187	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Distribution Grid Critical Load Restoration under Uncertain Topology Changes via a Hierarchical Multi-Agent Reinforcement Learning Approach	25PESGM-001081	Vanshaj Khattar, Yiyun Yao, Fei Ding and Ming Jin
2188	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	App Deconfliction: Orchestrating Multi-Entity Operations for Electric Power Distribution Systems	25PESGM-001082	Johsua Yip, Monish Mukherjee, Rabayet Sadnan, Tylor Slay and Andrew P. Reiman
2189	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Electric Vehicle Charger Infrastructure Planning: Demand Estimation, Coverage Optimization Over an Integrated Power Grid	25PESGM-001105	Harshal Kaushik, Jingbo Wang, Roshni Jacob and Jie Zhang
2190	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Risk-Aware Frequency Service Provisions of EVs in Low-Carbon Distribution Networks	25PESGM-001133	Chutian Su, Yi Wang and Goran Strbac
2191	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Locational Value of DER for Distribution Grid Services	25PESGM-001361	Imran Rahman, Shikhar Pandey, Michael Lee, Jessica Miley, Kathleen Kremer, Matthew Ludwig, Farnaz Farza and Ralph Masiello
2192	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Localized Volt-Var Optimal Control by Centralized OPF and Decentralized Neural Network Training	25PESGM-002504	Haoyi Wang, Yiyun Yao, Fuhong Xie, Chirath Pathiravassam, Xue Gao, Dmitry Ischenko, Dongbo Zhao, Junbo Zhao and Fei Ding
2193	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Distribution System Resilience Assessment Considering PV Vulnerabilities for Hurricane Events	25PESGM-002781	Soroush Vahedi, Alaa Selim, Junbo Zhao, Jin Dong and Jianming Lian
2194	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Enhancing Grid Resilience Through Stochastic Planning of EV Charging Station Networks	25PESGM-002938	Feng Chen and Zongjie Wang
2195	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Risk Assessment of Distribution Networks Considering Climate Change and Vegetation Management Impacts	25PESGM-002943	Di Zhao, Umar Salman and Zongjie Wang
2196	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	A Bi-Level Distributionally Robust Optimization Approach for Joint Bidding in Electricity and Carbon Markets	25PESGM-000111	Jiachen Shen, Jian Shi, Lei Fan, Chenye Wu, Dan Wang, Choong Seon Hong and Zhu Han
2197	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	A Coordinated TSO-DSO Framework for Flexibility Trading in Electricity Markets	25PESGM-000138	Sonam Mittal and Ashu Verma
2198	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	TSO/DSO Coordination with Aggregators and Prosumers in Transactive Energy Markets	25PESGM-000156	Abdullah Al Mamun and Badrul Chowdhury
2199	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	RoCoF Constraint Learning Approach for Unit Commitment of Low Inertia Power System	25PESGM-000174	Akhilesh Panwar, Zakir Hussain Rather, Roger Dargaville, David Hill and Suryanarayana Doolla
2200	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	PJM's Energy Price Formation with Integer Relaxation	25PESGM-000280	Zhenyu Fan and Wei Guan
2201	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Fair Provision of Time-Dependent Flexibility at TSO-DSO Interface	25PESGM-000299	Georgios Kryonidis and Charis Demoulias
2202	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Conformal Uncertainty Quantification of Electricity Price Predictions for Risk-Averse Storage Arbitrage	25PESGM-000440	Saud Alghumayjan, Ming Yi and Bolun Xu
2203	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Spatiotemporal Pricing for EV Charging to Mitigate Zonal Power Demand Peaks	25PESGM-000551	Nima Rashgi Shishvan and Zhaomiao Guo
2204	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Synchronous Condenser Optimization in the PJM Day-Ahead Energy Market Using a Hybrid Multiple Configuration Resource Model	25PESGM-000654	Danial Nazemi, Anthony Giacomoni, Qun Gu and Boris Gisin
2205	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Effects of Net Metering Policies on Distributed Energy Resource Valuation and Operation	25PESGM-000673	Lane Smith and Daniel Kirschen
2206	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Energy Storage State-of-Charge Management in Real-Time Markets	25PESGM-000900	Shailesh Wasti, Aravind Retna Kumar, Sushant Varghese, Anthony Giacomoni and Mort Webster

2207	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	A Linear and Scalable Cutting-Plane Algorithm for Electricity Pricing	25PESGM-000982	Matias Villagra, Felipe Verastegui-Grunewald and Matias Romero
2208	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Operation of an Integrated Energy System With Shared Energy Storage Considering Uncertainty: A Stackelberg Game Approach	25PESGM-001000	Hualong Liu and Wenyuan Tang
2209	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Multi-stage optimization method for hybrid energy storage system based on EF-CEEMDAN algorithm and segmented SOC regulation	25PESGM-001062	Zhuoya Siqin, Anqi Wang, Ruisheng Diao and Xun Lu
2210	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Unit Commitment with Wide-Band Oscillatory Stability Constraints in Wind Farm Integrated Systems	25PESGM-001179	Muyang Chen, Xiao Cai, Bo Li, Peng Wang, Jun Yang, Ershun Du and Ning Zhang
2211	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Breaking Sample Dependence in Power Generation: a Monte Carlo Tree Search-Based Unit Commitment Strategy	25PESGM-001236	Juncong Hao, Nan Yang, Zhou Dai, Lei Zhang, Yuehua Huang and Jing Yan
2212	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Allocate Capacity Cost While Maximizing Social Welfare: A Ramsey Pricing Approach	25PESGM-001355	Jiuzhou Dong, Shuailong Zhang, Nan Jiang, Xichen Fang, Hongye Guo and Ning Zhang
2213	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Toward Feedback-Based Coordination and Optimization in a Distributed Slack Bus Framework	25PESGM-001359	Eric Segerstrom and Mads Almassalkhi
2214	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Formation of heterogeneous virtual power plant based on VB-GMM and dynamic aggregation model for flexibility enhancement	25PESGM-001440	Yi Chen, Xiangyu Kong, Longyu Zhang, Yi Song, Yue Guo and MingXuan Lu
2215	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Research on the Bidding Strategy of a Comprehensive Power Generation Group Encompassing Diverse Resources Based on Nested Game	25PESGM-002460	Yibo Wang, Jian Yi, Qinghe Liang, Lei Shi, Chao Yang and Shaoyan Li
2216	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Robust Bidding Strategies in Local Energy Markets	25PESGM-002563	Jinhao Liang, Ferdinando Fioretto and Chenye Wu
2217	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Exploring the Preference of Unit Commitment	25PESGM-002592	Cong Zeng, Jizhong Zhu and Alberto Borghetti
2218	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Enhancing Demand Side Flexibility for Intraday Renewable Energy Balancing Using Conditional Value-at-Risk (CVaR)	25PESGM-002622	Maoxin He, Chixin Xiao, Dechen Jiang, Yutong Zhang, Danny Sutanto and Zhaoyang Dong
2219	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	A Risk-aware Bi-level Bidding Strategy for Virtual Power Plant with Power-to-Hydrogen System	25PESGM-002655	Jaehyun Yoo and Jip Kim
2220	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Controlled Evolution-Based Day-Ahead Robust Dispatch Considering Frequency Security with Frequency Regulation Loads and Curtailable Loads	25PESGM-002720	Kai Kang, Xiaoyu Peng, Kui Luo, Xi Ru and Feng Liu
2221	Red - Power Systems	PSOPE Power System Economics Subcommittee Poster Session	Optimal Coordination of Flexible DERs in Local Energy and Flexibility Markets to Ensure Social Equity	25PESGM-002903	Niloofer Pourghaderi, Milad Kabirifar and Payman Dehghanian
2222	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Evolving Power Quality Standard requirement for a renewable based grid in NEOM	25PESGM-000193	Kah Leong Koo, James Wilson, syed mushtaque and roshan bhattarai
2223	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	A Novel Fast Linear Optimal Power Flow of VSC-MTDC Systems	25PESGM-000259	Yizhen Wang, Aifei Pei, Yirun Ji, Hao Sheng, Jiaxing Zong and Xiang Xu
2224	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	The Contribution of Hydropower and Long-Duration Energy Storage to Grid Resilience During Extreme Weather and Electricity Market Scarcity Events	25PESGM-000292	Torsten Kieper, Sohom Datta, Allison M. Campbell and Abhishek Somani
2225	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	FSL-ResTransNet: Few-Shot Learning-Based Electricity Theft Detection with Highly Imbalanced Data	25PESGM-000325	Leijiao Ge, Jingjing Li, Sohail Muhammad and Luyang Hou
2226	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Dynamic Model-Based Time-varying Operation Region of Alkaline Electrolyzer for Wind-Hydrogen System Scheduling	25PESGM-000335	Aobo Guan, Suyang Zhou, Wei Gu, Wennan Zhuang, Hongkun Lv, Jiaying Chen and Kang Zhang
2227	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Power Data Watermarking: A New Methodology to Protect Power System Data Asset	25PESGM-000426	Zhenghao Zhou, Yiyan Li, Runlong Liu, Zheng Yan and Mo-Yuen Chow
2228	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Probabilistic Net Load Forecasting Using Cross-Attention Conditional Diffusion Model	25PESGM-000465	Yixiang Huang
2229	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Analysis of Resistive and Constant Power Loads Effects on a Quad Active Bridge Converter for DC Grid Interconnections	25PESGM-000498	Aphrodis Nduwamungu, Tek Tjing Lie, Ioannis Lestas, Nirmal Kumar C Nair and Kosala Gunawardane
2230	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Optimal Allocation and Capacity of Hydrogen Fuel Cells using Error Propagation Theory in a Multi-vector Energy System	25PESGM-000520	Kentaro Shimomachi, Sel Ly and Hung Dinh Nguyen
2231	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Assessing Electric Vehicle Charging Diversity Based on AMI and Vehicle Telematics Data	25PESGM-000655	Lucas Almeida, Nicolas Sockeel, Shaun Tuyuri, Jouni Peppanen, Daniel Hebb, James Gurney and Phoebe Chang
2232	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Demonstration and Evaluation of High Temperature Steam Electrolysis for Grid Support	25PESGM-000667	Temitayo Olowu, Amey Shigrekar, Micah Casteel, Jan Lambrechtsen and Jeremy Hartvigsen

2233	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Physics-Informed Deep Koopman Framework for Control-Oriented Wind Turbine Modeling	25PESGM-000722	Runze Tian, Peng Kou, Zhihao Zhang, Mingyang Mei, Yuanhang Zhang and Deliang Liang
2234	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Quantifying the Value of Photovoltaic Power Forecasting in High Pollution Weather Scenarios	25PESGM-000829	Wenting Wang, Jianxiao Wang and Jie Song
2235	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Advanced Scheduling of Electrolyzer Modules for Grid Flexibility	25PESGM-000886	Angelina Lesniak, Andrea Gloppen Johnsen, Noah Rhodes and Line Roald
2236	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Carbon-Aware Planning of Distributed Energy Resources Considering Coordination with Water Desalination	25PESGM-000894	Adnan Albukhaytan and Ali Al-Awami
2237	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	A Multi-Time Scale Power Control Method for Traction Station Cluster-Based FTPSS	25PESGM-000942	Ruofan Li, Mingchao Xia, Qianhao Sun, Qifang Chen, Yubin Wang and Meiqi Fan
2238	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Spatial-Temporal Distribution Prediction of Electric Vehicle Virtual Energy Storage in Coupled Power and Transportation Network	25PESGM-000961	Jichen Wang, Mingchao Xia, Qifang Chen, Yiming Xian, Qianhao Sun and Yubin Wang
2239	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Real-time Optimization for Wind-to-H ₂ Driven Critical Infrastructures Based on Active Constraints Identification and Integer Variables Prediction	25PESGM-000970	Mostafa Goodarzi and Qifeng Li
2240	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Temperature Dependency Modeling for Energy Optimization of High-Speed Railway Systems	25PESGM-001047	ARCHITA VIJAYVARGIA and ABHIJIT R. ABHYANKAR
2241	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Transformer Maintenance Policy Making Through Robust Control of MDP	25PESGM-001252	Hao Jiang, Weihang Ren and Yongpei Guan
2242	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Exploring the Use of Autonomous Unmanned Vehicles for Supporting Power Grid Operations	25PESGM-001326	Yuqi Zhou, Cong Feng, Mingzhi Zhang and Rui Yang
2243	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Evaluation of Cyberattack Impacts on Distribution Grid Networks	25PESGM-002513	Anurag Nagpure, Chee-Wooi Ten and Manimaran Govindarasu
2244	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Building Electricity Load Forecasting Considering Climate Change Impacts A Multi-Factor Deep Learning Approach	25PESGM-002620	Yuqing Wang and Yan Xu
2245	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	A Sub-LSTM Based Approach for Optimal Demand Response of HVAC Systems	25PESGM-002732	Raja Agarwal, Chandra Prakash Barala, Parul Mathuria and Rohit Bhakar
2246	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Assessment Technology of Multi-Time Scale Interaction Potential for Industrial Park Users Considering Carbon Reduction Benefits	25PESGM-002768	Peirong Zhang, Xiangyu Kong, Bohan Yang, Yang Wang, Tainchun Xiang and Yi Gao
2247	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Estimation of Transmission Outage Probability in Real-Time Weather Events	25PESGM-002830	Mingguo Hong, Xiaochuan Luo, Kyle Zeng, Tongxin Zheng, Sita Nyame, William Taylor, William Hughes, Aaron Spaulding, Diego Cerrai, Wei Zhang and Emmanouil Anagnostou
2248	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Optimization of Electric Vehicle Fast Charging and Charging Station Quality of Service: A Hardware-in-the-loop Study	25PESGM-002898	Mohammad Hossein Abbasi, Saroj Paudel, Dillip Mishra, Jiangfeng Zhang and Venkat Krovi
2249	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Two-time Scale Optimal Dispatch Algorithm for Hydrogen Production Using Nuclear Power to Enable High Penetration of DERs.	25PESGM-002914	Temitayo Olowu, Bikash Poudel, Jianqiao Huang, Tyler Westover and Thomas Ulrich
2250	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Feasibility assessment of hybrid floating PV-hydro-battery system considering long-term energy dispatch optimization	25PESGM-002989	Mucun Sun, Juan Calderon, Jianqiao Huang and Tyler Phillips
2251	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Short-term Forecasting of Daily Peak Load Magnitude and Timing using Stacking Ensemble Model: Case study of Indian Power System	25PESGM-002994	Rajat Goutam, Kailash Sharma, Nisha Chaurasia and Deven Vatsal
2252	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee Poster Session	Fair Capacity Distribution in Public EV Charging Stations Using Participatory Approach	25PESGM-003009	Ashish Kumar Karmaker, Sam Behrens, Bjorn Sturmborg and Hemanshu Pota

Board Number	Section	Session Title	Paper Title	Paper Number	Authors
3001	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A Novel Non-DC-DC Converter Battery Voltage Regulation Method Based on Dynamic Reconfigurable Battery Network	25PESGM-000220	Ziyi Xiong, Congjia Zhang, Yanglin Zhou, Dan Song and Song Ci
3002	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A cost-saving hydrogen storage system considering the wind curtailments-gas price complementarity	25PESGM-000447	Zhixue Yang and Hongcai Zhang
3003	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Multi-task Decision-oriented Electricity Price Prediction for Virtual Energy Storage Arbitrage	25PESGM-000593	Haoxuan Chen, Yinliang Xu and Hongbin Sun
3004	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Impact of State of Charge on Lithium-Ion Battery Degradation During Storage at Subzero Temperature	25PESGM-000611	Hayder Ali, Hassan Khan, Muhammad Khalid and Michael Pecht
3005	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Economic Storage Size Optimization for Electric Vehicle Extreme-Fast Charging Stations	25PESGM-000648	Julius Aka, Nadia Panossian and Haitam Laarabi
3006	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Electric Vehicle Adoption Load Model	25PESGM-000650	Marissa Ballantine and Robert Taylor
3007	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A Deep Q-Network Learning Based Control Framework for Fast SOC Balancing in Dynamic Reconfigurable Battery Networks	25PESGM-000691	Jiazhaoli, Congjia Zhang, Yanglin Zhou, Hucheng Si and Song Ci
3008	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Autonomous electric vehicle energy arbitrage market participation and ride-hailing as vehicle-to-market for demand side-management	25PESGM-000836	Joakim Munkhammar, Mohamad Koubar and Reza Fachrizar
3009	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Multi-stage Intelligent Thermal Runaway Localization for Lithium-ion Batteries	25PESGM-000845	Luyu Tian, Chaoyu Dong and Hongjie Jia
3010	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Evaluating and Allocating Aggregated Capacity Credit in Energy Storage Systems with Heterogeneous Power-to-Energy Ratios	25PESGM-000863	Haolang Zhang, Zhenyu Huang, Chen Li, Xingxing You, Youbo Liu and Junyong Liu
3011	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Optimal Load Profile Management in Extensive Agricultural Regions Using Water Storage Systems	25PESGM-000928	Ahmed Abd Elaziz Elsayed, Hany E.Z. Farag and Ehab F. ElSaadany
3012	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Unveiling Thermal-sensitive BESS Cost with Coordinated Energy-Temperature Management	25PESGM-000950	Yuanbo Chen, Yinxiao Li, Kedi Zheng, Xinyu Wang, Weiwei Lu and Hongye Guo
3013	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A Thermal-Management-Aware Bidding Strategy for Battery Energy Storage Systems in Electricity Market	25PESGM-001009	Dunjian Xie and Yan Xu
3014	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	State of Health Assessment of Frequency Dynamics in Microgrids Using Reduced Order Models	25PESGM-001122	Astha Rai, Niranjana Bhujel, Carolin Vogel, Ujjwal Tamrakar, Donald Hummels, Raymond Byrne and Reinaldo Tonkoski
3015	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Quantification of Balancing Reserves for Variable Energy Resources Deployment	25PESGM-001156	Faeza Hafiz, Farnaz Farzan, Khashayar Mahani, Ralph Masiello and Khoi Vu

3016	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Joint State and Parameter Estimation for Batteries Considering Input Noise Compensation	25PESGM-001168	Rodrigo Trevizan, Victoria O'Brien, Loraine Torres-Castro and Alex Bates
3017	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Economic Analysis of Battery Energy Storage Systems Incorporating Uncertain Battery Model	25PESGM-001357	Hyungjin Choi, Tu Nguyen, Yuliya Preger and Raymond Byrne
3018	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A Generic Framework to Design Perturbation Signals for Parameter Estimation of Dynamic Systems: A Test Case for Inertia Estimation	25PESGM-001404	Niranjana Bhujel, Ujjwol Tamrakar, Tu Nguyen, Raymond Byrne and Reinaldo Tonkoski
3019	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Quantum-Inspired Machine Learning for Energy Efficient and Secure Battery Health Monitoring	25PESGM-002502	Ameya Khot, Taesic Kim, Alve Rahman, Chris Kim and William Moy
3020	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Power-Hardware-in-the-Loop Experiments of a Microgrid With a Grid-Forming Battery Inverter	25PESGM-002523	Annabelle Pratt, Kumaraguru Prabakar and Martha Symko-Davies
3021	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	A Novel Approach for SOH Estimation of Lithium-Ion Batteries Based on Non-Additive Measures	25PESGM-002605	Ence Hou, Yanglin Zhou, Baochang Liu, Chengjie Zhang, Chongqing Kang and Song Ci
3022	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Impact of Fast Ancillary Services on Grid Stability and BESS Investment Viability	25PESGM-002836	Prashant Pant, Mohammed Almasri, Martin Cornejo and Thomas Hamacher
3023	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Inductively Coupled Battery Energy Storage System	25PESGM-002858	Rafal Wojda and Marcio Kimpara
3024	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Decarbonizing Steel Heating: Energy Scheduling Optimization with Battery Storage and Hydrogen	25PESGM-002896	Dafeng Zhu and Qianwen Xu
3025	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Advanced Electrification Peak Power Support (PPS)	25PESGM-002913	James Clegern
3026	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Model Predictive Control for Real-Time Price-Maker Bidding by Grid-Scale Battery Energy Storage Systems	25PESGM-002944	Xinyue Li, Jinhao Li, Changlong Wang and Hao Wang
3027	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Deep Reinforcement Learning-Based Optimization of Second-Life Battery Utilization in Electric Vehicles Charging Stations	25PESGM-003034	Rouzbeh Haghighi, Ali Hassan, Van-Hai Bui, Akhtar Hussain and Wencong Su
3028	Blue -Power Delivery	Insulated Conductors Poster Session	A Water-Tree-Severity-based Method for Health Index Assessment of Underground XLPE Distribution Cables	25PESGM-000459	Changyou Suo, Yan Xu, Ziming Yan and Terence Tik Lam Yip
3029	Blue -Power Delivery	Marine Systems Coordinating Poster Session	In-depth Control Dynamics Analysis of Asymmetric Wye-Zigzag based Solid State Transformer for Nonlinear Load Operation	25PESGM-000045	Mohamed Mansour and Indranil Bhattacharya
3030	Blue -Power Delivery	Marine Systems Coordinating Poster Session	Tidal Wave Energy Integration Through Asymmetric Three Phase Transformer Based Solid State Transformer for Ship Electrification	25PESGM-000907	Mohamed Mansour and Indranil Bhattacharya
3031	Blue -Power Delivery	Nuclear Power Engineering Poster Session	Real-Time Digital Twin Implementation for a Liquid Metal-Cooled Fast Nuclear Reactor	25PESGM-000286	Yulin Wang and Venkata Dinavahi
3032	Blue -Power Delivery	Nuclear Power Engineering Poster Session	Decarbonize ERCOT with Large Thermal Energy Storage	25PESGM-000433	Eugene Preston and Charles Forsberg

3033	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	White Paper on Resonance Stability Assessment Using the Impedance-Based Stability Criterion	25PESGM-000466	Johannes Schröder, Christoph Siedle and Detlef Schulz
3034	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	A Robust Data-Driven Fault Detection Method for Power Converter Systems under Imbalanced Dataset with Noise Interference	25PESGM-000505	HAN LI, YANG XIA and YAN XU
3035	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Guideline for Verifying IEEE Harmonic Compliance	25PESGM-000671	Grant Wollam, Andrew Lewis and Farbod Jahanbakhsh
3036	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Enhanced hydrogen sensing response rate of palladium thin film resistive sensors by nickel doping and its mechanism	25PESGM-000752	Yizhou Jiao, Weijiang Chen and Qiaogen Zhang
3037	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	DC Measurements in Dynamic Conditions: Normative and Methodological Considerations	25PESGM-000825	Guglielmo Frigo, Paolo Attilio Pegoraro, Christian Laurano, Sergio Toscani, Michele Zanon, Riccardo Chiumeo and Liliana Tenti
3038	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Deterministic components measurement method based on multi-frequency injection and its application	25PESGM-002662	Jie Lin, Junfeng Duan, Wei Qiu and Wenxuan Yao
3039	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Analysis of Digital In-loop Filters for Phase-Locked Loop Applications	25PESGM-002729	Anirudh C.V.S and Seshadri Sravan Kumar. V
3040	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Cyber-Attack Detection on Distance Relays for Parallel Transmission Lines in Digital Substations	25PESGM-000069	Shayan Soltani, Masood Mottaghizadeh, Akhtar Hussain and Innocent Kamwa
3041	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Coding Matrix based Proactive Detection with Detectability-Hiddenness Optimisation in Cyber-Physical Microgrids	25PESGM-000142	Zhuoran Zhou, Mengxiang Liu and Xin Zhang
3042	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Leveraging Conversational Generative AI for Anomaly Detection in Digital Substations	25PESGM-000567	Aydin Zaboli, Seong Lok Choi and Junho Hong
3043	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	SDN-Based Smart Cyber Switching (SCS) for Cyber Restoration of a Digital Substation	25PESGM-001158	Mansi Girdhar, Kuchan Park, Wencong Su, Junho Hong, Akila Herath and Chen-Ching Liu
3044	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Physics-Informed Cyber-Resilient Grid-Forming and Grid-Following Inverter Control	25PESGM-001373	Milad Beikbabaei, Jiyeon Paik, Caroline Larsen and Ali Mehrizi-Sani
3045	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Resilient Charging Control of Electric Vehicles Against Denial of Service Attacks using Neural Networks	25PESGM-001381	Amit Kumer Podder, Aranya Chakraborty and Mohammad Ashiqur Rahman
3046	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Joint Cyber-Attack to Threaten Grid Operational Security in Coupled Power-Transportation Systems	25PESGM-001408	Runzhuo Ma and Siqi Bu
3047	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Development of 5G Communication and Associated Cybersecurity Issues for Smart Solar PV Inverter System	25PESGM-002507	Sai Vodapally and Mohd Hasan Ali

3048	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Cyber-Informed Engineering Approach to Mitigating BESS Supply Chain Concerns	25PESGM-002771	Benjamin Lampe, Remy Stolworthy, Emma Stewart and Megan Culler
3049	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	A High-Fidelity Cyber-Physical DER System Testbed for Analyzing DER Monitoring and Control under Cyberattacks	25PESGM-002782	Sai Chandana Vallam Kondu, Venkateswara Reddy Motakatla, Fei Ding and Jiazi Zhang
3050	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Enhancing Cyber-Physical System Interdependencies through the Integration of Node2Vec-based Approach and Temporal Analysis Using LSTM Autoencoders	25PESGM-002829	Shining Sun, Christopher Goes, Adam Summers, Shamina Hossain-McKenzie, Nicholas Jacobs and Katherine Davis
3051	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Detecting False Data Injection Attacks in Smart Grids: A Transformer-Based Self-Supervised Learning Approach	25PESGM-002880	Yichen Liu, Adwaita Pradeep, Taylor Stucky, Hongyu Wu and Bo Liu
3052	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Boundary-Focused False Data Injection Attacks in Decentralized AC Power Systems	25PESGM-002923	Chenhan Xiao, Mostafa Mohammadpourfard, Yang Weng and Manohar Chamana
3053	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Forecast-Driven Detection and Mitigation of Cyber Attack in Microgrid Measurement Signal	25PESGM-002926	Alisha Paudel, Paras Mandal and Gelli Ravikumar
3054	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Zero Sequence Current-Based Synchronized Lissajous Curves for Event Detection in Distribution Networks Using Waveform Measurement Units	25PESGM-000207	Mohammad Rasoulnia, Akhtar Hussain, Milad Izadi and Innocent Kamwa
3055	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Pilot Energy Differential Protection Method for Transmission Lines in Flexible DC Systems	25PESGM-000219	Yanxia Zhang, Lang Ni, Sirui Zhou and Le Wei
3056	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	WAMS without dedicated data link: Real Experience and Performance of PMU Prototype based on IoT	25PESGM-000303	Pablo Leibovich, Fernando Issouribehere, Hugo Gaston Mayer and Gustavo Barbera
3057	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Transmission Protection with Various Grid-Forming Inverter Controls for 100% Inverter-Based Generation	25PESGM-000306	Daniel Kelly, Matthew Reno, Siddharth Bhela, Abhishek Banerjee, Nan Xue, Ulrich Muenz, Amin Banaie and Aboutaleb Haddadi
3058	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Reactive Support Control of Fault Transient Voltage in Weak Grid with Large-scale Renewable Power Plants	25PESGM-000317	Yang ZHANG and Ke Jia
3059	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Faulty Phase Selection for Tie Line between Offshore Wind Farms and MMC	25PESGM-000598	ZHE YANG and Bikash Pal
3060	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	IBR-Dominated Wide-Area Transmission System SSFR Protection Studies, and Design Requirements	25PESGM-000783	Rahim Jafari, Sai Ram Sharan, Farnam Hojatpanah, Sarah Kammerdeiner, alish Khatiwada and BILLY F. YANCEY III
3061	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Harmonic Frequency Difference Based Protection for Distribution Networks With High Percentage Inverter Based Resources	25PESGM-000840	Xiaotong Du, Jinghan He, Meng Li, Yuxiang Zhang, Jiabao Zhang and Haoyue Wang
3062	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Performance Evaluation of the Phase-Selection Element in Systems with Grid-Forming Inverters	25PESGM-000884	Giritharan Vijay Iswaran, Amin Banaie, Evangelos Farantatos, Aboutaleb Haddadi, Deepak Ramasubramanian and Nazila Rajaei
3063	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Digital Twin-Based Differential Protection Testing	25PESGM-000915	Guilherme Pires, Jose M. De Moraes and Cedric Harispuru
3064	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	An Ultra-Fast Relay Prototype for Low-Impedance Fault Protection in Power Distribution Systems	25PESGM-001157	Miguel Jimenez Aparicio, Javier Hernandez Alvidrez, Oscar Acosta and Matthew Reno
3065	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Reliability Evaluation for Self-Healing Microgrids with Different-Sized Inverters Using Only Local Measurements	25PESGM-001380	Jubair Yusuf, Michael E. Ropp and Matthew J. Reno
3066	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Studying the Impact of Momentary Cessation of IBRs Compliant With IEEE Std. 2800-2022 on Transmission Line Protection Elements	25PESGM-002746	Soham Chakraborty, Paulo Henrique Pinheiro, Jing Wang, Brian K Johnson, Romulo G. Bainy, Scott Manson, Hangtian Lei, Anderson Hoke and Cameron Kruse
3067	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Modeling of CT/VT Methods in Substations in Dynamic Simulations using Signal Matrix	25PESGM-002796	Vibhuti Sahu and Gurunath Gurralla

3068	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Comparison of Sequence Component-Based Fault Detection and Relay Coordination Algorithms in Inverter-Based Networks	25PESGM-002957	Deepika Chhetija and Maximiliano Ferrari
3069	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	MSIF-SAC: A Deep Reinforcement Learning Approach for Building Energy Management Integrating Multi-Step Interval Forecasts	25PESGM-000241	Hongyuan Ding and Yan Xu
3070	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	What's in Store? Charting a Future of Battery-Enabled Appliances	25PESGM-000430	Nana Akua Agyemang Sereboo and Jay Taneja
3071	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Assessing Energy Flexibility of Urban-Scale Buildings and Impacts on Distribution Networks	25PESGM-000446	Zhengyu Xu, Xiaochen Liu, Xiaohua Liu, Tao Zhang, Xueyuan Cui and Yi Wang
3072	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	An Open-Set Classification Method for Detecting Unseen False Data Injections in Smart Meters	25PESGM-000537	Zhenyuan Du, Ziming Yan and Yan Xu
3073	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Low-carbon Optimal Scheduling Method of Electrolytic Aluminum Industry Load Based on Production Regulation Characteristics	25PESGM-000744	Xiaoyu Yue, Lijun Fu, Siyang Liao, Jian Xu, Deping Ke and Yibo Jiang
3074	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Online Distributed Gradient Projection based Charging Strategy for EVs in Residential Areas	25PESGM-000805	Yonghao Lu, Fengyuann Jin, Chengcheng Shao and Xifan Wang
3075	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Characterization of Transmission Nodal Profiles via Graph-Embedded Topological Data Analysis	25PESGM-000905	Mozhi Chen, Zhenyu Zhao, Liang Du, Yuzhou Chen and Daniel Moscovitz
3076	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	GNN-Based Autoformer For Imputing Missing Data in Transmission Grid Load Profiles Considering Seasonal Patterns	25PESGM-000906	Zhenyu Zhao, Mozhi Chen, Liang Du, Daniel Moscovitz and Xiaoyuan Fan
3077	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Coordination of Aggregated HVAC Systems for Tracking Regulation Market Signals under Multi-source Uncertainty	25PESGM-001025	Weimin Wu, Tao Jiang, Mingze Xu, Haoran Liu and Shunbo Lei
3078	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Model-Free Control of Grid-Interactive Efficient Buildings Under Communication Time Delays	25PESGM-001145	Bhagyashri Telsang, Mohammed Olama and Seddik Djouadi
3079	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Estimating Behind-the-Meter Infrastructure Costs for Electrification Progression	25PESGM-001226	Tim Yoder, Isabel Van Dyke, Andrea Mott and Lauren Esaki-Kua
3080	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	A Capacity Constrained Bidding Mechanism for Local Energy Markets on Distribution Systems	25PESGM-001287	John Theisen, Anjan Bose, Monish Mukherjee, Kenneth Wilhelm, Dan Burgess and Michael Diedesch
3081	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Community Energy Management System for Fast Frequency Response: A Hierarchical Control Approach	25PESGM-002684	Joonsung Jung, Hyunjoong Kim, Hyunghwan Shin and Jip Kim
3082	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	An Open-Source Simulation and Data Management Tool for EnergyPlus Building Models	25PESGM-003005	Ninad Gaikwad, Kasey Dettlaff, Athul P and Anamika Dubey
3083	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Non-Intrusive Performance Analysis of Grid Serving Behind-the-Meter DERs via Generative Adversarial Imitation Learning	25PESGM-003020	Parth Pradhan, Kwami Senam Sedzro and Aram Shumavon
3084	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Comparing Building Thermal Dynamics Models and Estimation Methods for Grid-Edge Applications	25PESGM-003024	Ninad Gaikwad, Kunal Shankar, Anamika Dubey, Alan Love and Olvar Bergland
3085	Blue -Power Delivery	Substations Poster Session	New Composite Metallic Strip, or How to Enhance Modern Ground Grids	25PESGM-001074	Jeff Jordan and Gavin Strelec

3086	Blue -Power Delivery	Substations Poster Session	Insulation Properties of a Novel SF ₆ Alternative Gas	25PESGM-001094	Zheng Yu, Hao Dongxin, Zhou Wenjun, Dong Xuzhu, Zhong Lianhong, Zhang Ying, Zhang Chi and Shi Jianbo
3087	Blue -Power Delivery	Transformers Poster Session	Corrosive Sulphur and Selector Switch ‐ Is it a Problem?	25PESGM-000177	Adam Suleiman and Dejan Susa
3088	Blue -Power Delivery	Transformers Poster Session	Digital transformation of the hot-air-circulation drying process for distribution-transformer core-coil assemblies	25PESGM-000474	Gerardo Tamez and Jorge Balderas
3089	Blue -Power Delivery	Transformers Poster Session	Identification of Irregular Transformer Impedance Using Smart Meter Data in Distribution Systems	25PESGM-001387	Younes Seyedi and Lakshan Piyasinghe
3090	Blue -Power Delivery	Transmission and Distribution Poster Session	MPC-based Coordinated Control of Multiple Wind Generators for Voltage and Frequency Regulation	25PESGM-000178	Yuanhang Zhang, Peng Kou, Zhihang Xue, Zhihao Zhang, Runze Tian, Mingyang Mei and Deliang Liang
3091	Blue -Power Delivery	Transmission and Distribution Poster Session	Power Flow of HVAC/FFTS System for Transmission Line Upgrade Based on Modular Multilevel Matrix Converter	25PESGM-000365	Boyang Zhao, Xifan Wang, Xiuli Wang, Yongqing Meng and Jing Li
3092	Blue -Power Delivery	Transmission and Distribution Poster Session	Two-stage Harmonic Mitigation Method based on PV for MV-LV Distribution Network	25PESGM-000725	Yinsheng Chen, Ying Wang, Xianyong Xiao and Shuyuan Zhang
3093	Blue -Power Delivery	Transmission and Distribution Poster Session	Distribution Circuit Design for Increased Ground Fault Sensitivity	25PESGM-000753	Jesse Rorabaugh, Austin Fresquez, Andrew Swisher, Gurgen Avetisyan, Jose Sanchez Moreno, Timothy Perkins and Juan Santillan
3094	Blue -Power Delivery	Transmission and Distribution Poster Session	An Event-based Approach for Incipient Fault Detection of Power Cable Using Time-synchronized Waveforms	25PESGM-000786	Guan-Yi Li, Gary Chang and Wei-Yun Huang
3095	Blue -Power Delivery	Transmission and Distribution Poster Session	Effects of Extreme Weather Events on Croatian Power Transmission Network	25PESGM-000837	Goran Levacic, Amalija Bozicek, Bozidar Filipovic-Grcic, Bojan Franc, Kresimir Mesic, Filip Grebenar, Bruno Jurisic and Igor Ivankovic
3096	Blue -Power Delivery	Transmission and Distribution Poster Session	A Novel Grid-Following Hybrid-Rectifier based HVDC System Integrated with Offshore Grid-Forming Wind Turbines	25PESGM-000841	Lujie Yu, Wenhao Tong, Jiebei Zh and Grain Philip Adam
3097	Blue -Power Delivery	Transmission and Distribution Poster Session	Sub-Transmission Islanding Protection System	25PESGM-000937	Nachum Sadan and Bruce Renz
3098	Blue -Power Delivery	Transmission and Distribution Poster Session	Assessment of Harmonic Network Impedance based on Transient Harmonic Signals measured at an Industrial Power System	25PESGM-001023	Tom Van Acker, Hakan Ergun and José Antonio de la O Serna
3099	Blue -Power Delivery	Transmission and Distribution Poster Session	A Novel Distribution System Model Reduction Method for Integrated Transmission and Distribution System Simulation	25PESGM-001119	Si Zhang, Sujay Kaloti, Mesut Baran, Kathleen Sico, Johan Enslin and Badrul Chowdhury
3100	Blue -Power Delivery	Transmission and Distribution Poster Session	Stability Analysis of DR-MMC based HVDC for Offshore Wind Farm Integration	25PESGM-001424	Yining Wang, Wang Xiang, Jinyu Wen, Wujie Chao, Junwei Huang and Liyu Dai
3101	Blue -Power Delivery	Transmission and Distribution Poster Session	Autoencoder-based Anomaly Detection in the French High-Voltage Transmission Grid using Signal Reconstruction and Clustering Techniques	25PESGM-001446	Eduardo Jr Piedad, Christian Ainsley Del Rosario, Eduardo Prieto-Araujo and Oriol Gomis-Bellmunt
3102	Blue -Power Delivery	Transmission and Distribution Poster Session	Chatbot Framework for Power Quality Measurement Data and Documentation Using LLM and RAG	25PESGM-002493	Aadharsh Aadhithya A and Surya Santoso
3103	Blue -Power Delivery	Transmission and Distribution Poster Session	Increasing Transmission Capacity by Optimizing Line Configuration	25PESGM-002778	Hyeonseong Mun, Damjan Zechevikj and Surya Santoso
3104	Blue -Power Delivery	Transmission and Distribution Poster Session	Improving Power Quality of Industrial Plants Using Dynamic Voltage Restorers	25PESGM-002792	Hyeonseong Mun, Damjan Zechevikj, Surya Santoso and Lei Jiang
3105	Blue -Power Delivery	Transmission and Distribution Poster Session	T&D LIBRA: Simulation Framework for Transmission and Distribution Load and IBR Assessment	25PESGM-002817	Fuhong Xie, Aadil Latif, Jeremy Keen, Karthikeyan Balasubramaniam and Barry Mather

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4001	Green - Best Paper	Bulk power system planning and operation	Hierarchical Spatio-Temporal Uncertainty Quantification for Distributed Energy Adoption	25PESGM-000248	Wenbin Zhou, Shixiang Zhu, Feng Qiu and Xuan Wu
4002	Green - Best Paper	Bulk power system planning and operation	Scheduling Strategy Considering the Complex Fairness of Heterogeneous Energy Resources	25PESGM-000464	Yanjia Wang, Da Xie, Chen Shi, Xianlong Li and Xitian Wang
4003	Green - Best Paper	Bulk power system planning and operation	Control Coordination of grid-forming inverters in hybrid photovoltaic plants	25PESGM-000564	Shiwen Yu and Lina He
4004	Green - Best Paper	Bulk power system planning and operation	Graph-based Simulation Framework for Power Resilience Estimation and Enhancement	25PESGM-000573	Xuesong Wang, Shuo Yuan, Sharaf Magableh, Oraib Dawaghreh, Caisheng Wang and Le Yi Wang
4005	Green - Best Paper	Bulk power system planning and operation	Maximizing Renewable Energy Integration via Transmission Hosting Capacity Optimization	25PESGM-000622	Sujit Tripathy, Swaroop Guggilam, Deepak Ramasubramanian and Vikas Singhvi
4006	Green - Best Paper	Bulk power system planning and operation	CVR Factor Evaluation Method and Dataset Enrichment for Distribution Systems	25PESGM-000672	Junyuan Zheng, Han Wang, Zhaoyu Wang and Nik Schulte
4007	Green - Best Paper	Bulk power system planning and operation	Power System Modal Analysis using Hankel-based Robust Mode Decomposition with Symmetric Operators	25PESGM-000717	Rajarshi Roychowdhury, Hui Zhang, Mahesh S. Illindala and Xuan Wu
4008	Green - Best Paper	Bulk power system planning and operation	A Deep Reinforcement Learning Method for Multi-objective Transmission Switching	25PESGM-000922	Ding Lin, Jianhui Wang, Tianqiao Zhao and Meng Yue
4009	Green - Best Paper	Bulk power system planning and operation	A Dual-Layer Game Optimization Strategy for Electric-Thermal-Hydrogen Integrated Energy Systems Incorporating Adjustments in Vehicle Owners' Travel Behavior	25PESGM-001040	Xuming Chen, le liu and Xiaoning Kang
4010	Green - Best Paper	Bulk power system planning and operation	Economic Impacts of Rate Design for Distributed Solar	25PESGM-001084	Carl Morgenstern, Wesley Terek and Robert Kerestes
4011	Green - Best Paper	Bulk power system planning and operation	Toward Fast Quantum-Classical Hybrid Benders Decomposition for the SCUC Problem: An Efficient Approximate Formulation of QUBOs	25PESGM-001218	Xiaodong Zheng, Jiahua Yang and Baorong Zhou
4012	Green - Best Paper	Bulk power system planning and operation	Carbon Responsibility Allocation in Real-Time Electricity Market based on KernelSHAP	25PESGM-001266	Yuanhao Feng, Tao Sun, Donghan Feng, Qiyuan Liu, Danning Lin and Yun Zhou
4013	Green - Best Paper	Bulk power system planning and operation	Is Equal Area Criterion Applicable for Transient Stability Assessment of Grid-Forming Inverters?	25PESGM-001443	Debjyoti Chatterjee, Brian Johnson and Gab-Su Seo
4014	Green - Best Paper	Bulk power system planning and operation	Inverter-based Power System Model for Benchmarking in Multi-Time-Scale Platforms	25PESGM-002485	Manisha Maharjan, Jinho Kim, Sang won Seo, Shrirang Abhyankar, Quan Nguyen, Yousu Chen, Nader Samaan, Eduard Muljadi, Sohom Datta and Bharat Vyakaranam
4015	Green - Best Paper	Bulk power system planning and operation	Smart Charging Impact Analysis using Clustering Methods and Real-world Distribution Feeders	25PESGM-002486	Ravi Shrestha, Zhi Zhou, Limon Barua, Nazib Siddique, Karthikeyan Balasubramaniam, Yan Zhou and Lusha Wang
4016	Green - Best Paper	Bulk power system planning and operation	Hydrological Modeling Impact on Western Interconnection Frequency Response Studies	25PESGM-002581	Sameer Nekkhalapu, Sohom Datta, Slaven Kincic, Dewei Wang, Bhaskar Mitra and BiBi Mathew
4017	Green - Best Paper	Bulk power system planning and operation	Equitable Electricity Rate-Making in the Era of Distributed Energy: Balancing Risk and Efficiency	25PESGM-002711	Yihsu Chen, Andrew L. Liu and Makoto Tanaka
4018	Green - Best Paper	Bulk power system planning and operation	Incentivizing Ramping with Uniform Pricing	25PESGM-002752	Cong Chen and Lang Tong
4019	Green - Best Paper	Bulk power system planning and operation	Dynamic Microgrids-based Blackstart of Real Utility Feeders Considering Demand Flexibility	25PESGM-002763	Cong Bai, Salish Maharjan, Zhaoyu Wang, Yiyun Yao, Fei Ding and Jiyu Wang
4020	Green - Best Paper	Distribution System Planning and Operation	ElecBench: a Power Grid Dispatch Evaluation Benchmark for Large Language Models	25PESGM-000102	Xiyuan Zhou, Huan Zhao, Yuheng Cheng, Gaoqi Liang, Guolong Liu, Wenxuan Liu, Yan Xu and Junhua Zhao

4021	Green - Best Paper	Distribution System Planning and Operation	Real-time Implementation and Performance Analysis of A Novel Flying-Battery Boost Converter in A Grid-Forming PV system	25PESGM-000478	Yi Qi, Luo Liu, Xianghua Shi, In Kwon Park, Yi Zhang and Aniruddha Gole
4022	Green - Best Paper	Distribution System Planning and Operation	Application of the Extra Element Theorem for Grid Strength Analysis in IBR-Dominated Systems	25PESGM-000497	Pranav Sharma and Shahil Shah
4023	Green - Best Paper	Distribution System Planning and Operation	A Novel Inverter Control Strategy with Power Decoupling for Microgrid Operations in Grid-Connected and Islanded Modes	25PESGM-000539	Yan TONG, Qin Wang and Aihong Tang
4024	Green - Best Paper	Distribution System Planning and Operation	Transient Stability Enhancement of Grid- Forming Converters Embedding Residual Voltage Support Strategy	25PESGM-001037	RUI Qiu and Chengxi Liu
4025	Green - Best Paper	Distribution System Planning and Operation	Battery Dispatch Optimization for Electric Vehicle Aggregators: A Decentralized Mixed-Integer Least-Squares Approach with Disjunctive Cuts	25PESGM-001288	Chao Lei, Y. Christine Chen, Siqi Bu, Shuangqi Li, Qianggang Wang and Lalit Goel
4026	Green - Best Paper	Distribution System Planning and Operation	Optimized Selection of Volt-VAR Curves for Smart Inverters in a Multi-Cloud Standards-based Testbed	25PESGM-001390	Shiva Poudel, Alexander Anderson, Tylor Slay, M Al Mamun, Poorva Sharma, Craig Allwardt, Daniel Kopin and Cyril Brunner
4027	Green - Best Paper	Distribution System Planning and Operation	Exploiting the Benefits of P2P Energy Exchanges in Resilience Enhancement of Distribution Networks	25PESGM-001430	Hamed Haggi and Wei Sun
4028	Green - Best Paper	Distribution System Planning and Operation	Modelling Water Inertia in District Heating Network with Fast Initialization Scheme	25PESGM-002489	Yizhong Hu, Janesh Rupasinghe, Jalal Dadkhah and Yi Zhang
4029	Green - Best Paper	Distribution System Planning and Operation	Conditional Generative Adversarial Networks for Oscillation Data Generation and FO Identification	25PESGM-002492	Lokesh Saravana, Quang-Ha Ngo, Jianhua Zhang, Tuyen V Vu and Thanh Long Vu
4030	Green - Best Paper	Distribution System Planning and Operation	Distributed Attack-Resilient Control for Smart Grid Stability	25PESGM-002506	Majid Dehghani and Hamidreza Nazaripouya
4031	Green - Best Paper	Distribution System Planning and Operation	Hot Spot Analysis: An Effective GIS Methodology and Energy Justice Tool to Visualize Power Outage in Vulnerable Communities	25PESGM-002573	LaRico Andres, Wencong Su, Antonios Koumpias and Van Hai Bui
4032	Green - Best Paper	Distribution System Planning and Operation	A Practical Approach Towards Inertia Estimation Using Ambient Synchrophasor Data	25PESGM-002739	Anushka Sharma, Anamitra Pal, Rajasekhar Anguluri and Tamojit Chakraborty
4033	Green - Best Paper	Distribution System Planning and Operation	Power Flow-Informed Neural Networks for Calibration of State-Independent Linear Power Flow Models Considering Generator Ranges	25PESGM-002779	hojun Lee, JiWoong Choi, Umar Fitra Ramadhan, Jungsoo Jang and Minhan Yoon
4034	Green - Best Paper	Distribution System Planning and Operation	A Sequential Model Predictive and Deep Reinforcement Learning-Based Controller for Distribution System Outage Mitigation under Hurricane Events	25PESGM-002798	Alaa Selim, Soroush Vahedi, Junbo Zhao, Jin Dong and Jianming Lian
4035	Green - Best Paper	Distribution System Planning and Operation	RE-INTEGRATE EMT Simulation Software: DAE Solvers and Automation	25PESGM-002886	Phani R V Marthi, Soumyajit Gangopadhyay, Kuan-Chieh Hsu, Jongchan Choi, Nilanjan Ray Chaudhuri and Suman Debnath
4036	Green - Best Paper	Emerging Technologies	A Comprehensive Review of Online Inertia Estimation Techniques for Modern Power Systems with Renewable Penetration	25PESGM-000285	Narges S. Ghiasi and Ramtin Hadidi
4037	Green - Best Paper	Emerging Technologies	Cost-Aware Inner-Ball Represented Economic Flexibility Characterization for Distribution Systems Under Uncertainties	25PESGM-000550	Liang Du, Shengyi Wang and Xin Chen
4038	Green - Best Paper	Emerging Technologies	Low-cost Adjustable Gap Reactor for Balancing Loads During Continuous Current Tests	25PESGM-000617	Jeffrey Hildreth, Benjamin Arndell, Jonathan Lamson and Jim Chookagian
4039	Green - Best Paper	Emerging Technologies	Characteristics of Multi-parameters Caused by the Partial Discharge Defect in the Oil-immersed Power Transformer at Different Operating Temperatures	25PESGM-001006	Boyu Li, Zhiguo Hao, Yuping Zheng, Simeng LI, Jiatao Dong and Zhongxin Xue
4040	Green - Best Paper	Emerging Technologies	Impact of Underground Cables on Harmonic Hosting Capacity	25PESGM-001022	Tom Van Acker and Hakan Ergun

4041	Green - Best Paper	Emerging Technologies	Continuous-Time Optimal Scheduling in Bernstein Function Space for Integrated Heat and Power Energy Systems	25PESGM-001212	Jie Deng, Zhigang Li, J. H. Zheng and Zhaoxi Liu
4042	Green - Best Paper	Emerging Technologies	A Method for Modeling the Power Regulation Characteristics of Electrolytic Zinc Loads	25PESGM-001221	Tianfang Si, Siyang Liao, Jian Xu, Deping Ke and Lingfang Li
4043	Green - Best Paper	Emerging Technologies	Review of Modeling Gaps and a Solution for ac-MTdc Power Flow in Commercial Tools	25PESGM-001345	Quan Nguyen, Tony Nguyen, Bharat Vyakaranam, Marcelo Elizondo, Nader Samaan, Resul Azizi, Feng Dong, Michael Abdelmalak, Sameer Nekkalapu, Eran Schweitzer, Konstantinos Oikonomou, Fernando Bereta dos Reis, Chuan Qin, Pavel Etingov and Kevin Harris
4044	Green - Best Paper	Emerging Technologies	Co-optimization of Inverter Controls and Line Protection Functions for Improved Protection Reliability and System Stability	25PESGM-002562	Siddharth Bhela, Suat Gumussoy, Daniel J. Kelly, Matthew J. Reno, Amin Banaie and Ulrich Muenz
4045	Green - Best Paper	Emerging Technologies	An Energy Management Strategy for an Inland Smart Port with Optimal Ferries Allocation	25PESGM-002721	Fabio D'Agostino, Marco Gallo, Matteo Saviozzi, Federico Silvestro and Francesco Conte
4046	Green - Best Paper	Emerging Technologies	Development of Reduced Feeder and Load Models Using Practical Topological and Loading Data	25PESGM-002860	Sameer Nekkalapu, Sushrut Thakar, Antos Cheeramban Varghese, Vijay Vittal, Bo Gong and Ken Brown
4047	Green - Best Paper	Emerging Technologies	Offsite Power Grid Strength Determination for Nuclear Power Plants: Improved Calculations and Practical Implementation	25PESGM-002917	Abdelrahman Karrar, Mark Bowman, Julio Gonzalez and Andrew Adams
4048	Green - Best Paper	Emerging Technologies	Hardware Validation of Virtual Impedance-Based Fault-Ride-Through (FRT) Control for Grid-Forming (GFM) Inverter	25PESGM-003006	Shuvangkar Das, Mohammad Safayet Hossain, Amin Banaie, Tapas Barik, Paychuda Kritprajun, Evangelos Farantatos, Deepak Ramasubramanian, Aboutaleb Haddadi, Abhishek Banerjee and Ulrich Muenz
4049	Green - Best Paper	Grid Transformation	Comprehensive Analysis of VSG-Based Grid-Forming and Grid-Following Control in Inverter-Dominated Power Systems	25PESGM-000085	Uzair Malik, Rohan Lalwani, P. PRAVEEN, Yangyadatta Tripathy, Barjeev Tyagi and Vishal Kumar
4050	Green - Best Paper	Grid Transformation	Zero-Prediction Arbitrage Strategy for Energy Storage in Real-Time Markets	25PESGM-000266	Mia Moore and Salman Mohagheghi
4051	Green - Best Paper	Grid Transformation	A Multi-view Load Clustering Approach for Handling Missing Data	25PESGM-000348	Jianchen Zhang, Jingshi Cui and Huaxiong Li
4052	Green - Best Paper	Grid Transformation	Robust Control of User-side Converters in DC Active Distribution Networks: A Novel ESO-based Structural Approach	25PESGM-000502	Bo Wang, shouxiang wang and Qianyu Zhao
4053	Green - Best Paper	Grid Transformation	State-of-Health Estimation for Lithium-ion Batteries via Ensemble Learning of Random Partial Discharging Curves	25PESGM-000614	Kesen Fan, Yan Xu and Lingzhi Su
4054	Green - Best Paper	Grid Transformation	Optimization and Testing of a Hybrid Portable Power Station for Emergencies	25PESGM-000966	Anthony Ortiz Baez, Pedro J. Carrasco Carrasco, Daniel E. Mera-Romo and Diego A. Aponte-Roa
4055	Green - Best Paper	Grid Transformation	Cyber-Resilient PID Control for Grid-Connected Inverters Against DoS and FDI Attacks	25PESGM-001008	Mahdi Bahrami Khah, Nima Mahdian Dehkordi, Mohsen Hamzeh and Hamidreza Nazarpouya
4056	Green - Best Paper	Grid Transformation	New Reserve Services for the Ireland and Northern Ireland Power Systems	25PESGM-001050	Taulant Kërçi, Manuel Hurtado, Bart Franken, Mo Cloonan, David McGowan, Simon Tweed and Eoin Kennedy
4057	Green - Best Paper	Grid Transformation	Seamless Switching Between Grid-Forming and Grid-Following Dual Modes Based on a Unified Inverter Control Structure	25PESGM-001163	Yue Qu, Feifei Bai and Ruifeng Yan
4058	Green - Best Paper	Grid Transformation	Graph Deep Reinforcement Learning for Electric Vehicle Charging Navigation Considering Power-Transportation Interactions	25PESGM-001284	Shengqi Yuan, Junbo Zhao, Jubair Yusuf and Brian J. Pierre
4059	Green - Best Paper	Grid Transformation	A Universally Passive Delay-based Interface for Network Partitioning in EMT Simulations	25PESGM-001370	Ajinkya Sinkar, Huanfeng Zhao and Aniruddha Gole

4060	Green - Best Paper	Grid Transformation	Boundary Analysis of Damping Methods for Virtual Synchronous Generators	25PESGM-001414	Xi Luo, Yadala Pavankumar, Efstratios Batzelis, Abhinav Singh, Georgia Saridaki, Panos Kotsampopoulos and Nikos Hatzargyriou
4061	Green - Best Paper	Grid Transformation	A Kolmogorov-Arnold Network for Explainable Detection of Cyberattacks on EV Chargers	25PESGM-002723	Ahmad Mohammad Saber, Max Santos, Mohammad Al Janaideh, Amr Youssef and Deepa Kundur
4062	Green - Best Paper	Grid Transformation	Reduced-Order Phase-Amplitude Characterization of Nonlinear Subsynchronous Oscillations Involving Inverter-Based Resources	25PESGM-002770	Kaiyang Huang, Dan Wilson, Tianwei Xia and Kai Sun
4063	Green - Best Paper	Grid Transformation	Electrification With Cold Climate Heat Pumps: Impacts on Peak Load and Grid Flexibility	25PESGM-002921	Min Gyung Yu, Monish Mukherjee, Cyril Brunner, Morgan Casella and Peter Christensen
4064	Green - Best Paper	Grid Transformation	Impact of Inner Control in GFM-Induced Sub-Synchronous Oscillations	25PESGM-002962	Muhammad Sharjeel Javaid, Balarko Chaudhuri, Fei Teng and Zohaib Akhtar
4065	Green - Best Paper	Grid Transformation	ZT-MTD: Zero Trust-enabled Dynamic Moving Target Defense for DER Networks	25PESGM-003000	Sayontani Bose, Souradeep Bhattacharya, Nazmus Saqib and Manimaran Govindarasu

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5001	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	An Assessment Framework for DER Participation in Bulk System Fast Frequency Response	25PESGM-000022	Keaton Wheeler and Alexandre Nassif
5002	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Decentralized Volt/Var Control Strategy Based on Flexible DC Traction Power Supply Systems	25PESGM-000373	Shilong Cai, Junjie Lin, Bo Chang, Gengyuan Zhang, Zhanhe Li and Chao Lu
5003	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Graph Learning-Based Anomaly Detection and Localization for Spatiotemporal PMU Data	25PESGM-000514	Olabode Amusan and Di Wu
5004	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Grid-Forming IBR Plant Model Testing: An OEM Experience	25PESGM-000545	Pooja Gupta, Slobodan Matic and Srayashi Konar
5005	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Perturbation-based Cybersecurity for Virtual Power Plant Operated DERs using Reinforcement Learning	25PESGM-000547	Stefano Fenu, Kumarsinh Jhala and Siby Plathottam
5006	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Scalable, Distribution Network-Aware and Customer Privacy-Preserving Framework for Operation of Virtual Power Plants	25PESGM-000559	Jesse Dugan, Chenchen Li, Xiaofei Wang, Kumar Utkarsh, Fei Ding and Meng Yue
5007	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	DC microgrid based EV charging Infrastructure-PSO Controller Tuning for Optimal Response	25PESGM-000625	Rajendra Pandey and Babita Faujdar
5008	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Modeling and Analysis of Extreme Fast Charger using Modular Multilevel Converter for G2V/V2G	25PESGM-000680	Ankit Yadav and Gelli Ravikumar
5009	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Analysis of Learning-based Offshore Wind Power Prediction Models with Various Feature Combinations	25PESGM-000681	Linhan Fang, Fan Jiang, Ann Mary Toms and Xingpeng Li
5010	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Second Order Sliding Mode Voltage Control with Classical Current Control to Enhance the Stability of Virtual Synchronous Generator	25PESGM-000764	TUHIN DAS, Udaya Annakkage and Dharshana Muthumuni
5011	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Supervised Learning-Based False Data Injection Attack Mitigation for Smart Voltage Source Converter-Enabled Power Grid	25PESGM-000772	Mohammad Sadi, Siby Plathottam and Mohd Hasan Ali

5012	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Optimization of Cathodic Pressure and Temperature in Grid Connected PEME Based Hydrogen Plants	25PESGM-000795	Abdallah F. El-Hamalawy, Hany EZ Farag and Amir Asif
5013	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	High-Frequency Resonance in Single-Loop Grid-Connected Grid-Forming Converters	25PESGM-000833	Meng Chen, Yufei Xi and Ioannis Lestas
5014	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Enhancing Grid Stability with Type 5 Digital Fluid Power-Based Synchronous Wind Turbines	25PESGM-000923	William Mendieta and Damian Flynn
5015	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Distributed Multi-Agent Control for Noise Attenuation in Islanded DC Microgrids	25PESGM-000939	Seyed Iman Habibi, Seyyed Ali Ghorashi Khalil Abadi, Ali Bidram, Hugo Bashualdo, Milad Ghazizadeh, Mehrdad Sheikholeslami, Sajay Paruthiyil and Mohammad Ahmadi
5016	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Towards HVDC Interoperability - Neutral Current Control for Multiple Terminals	25PESGM-001038	Dong Chen, Pimonpan Phurappa, Benjamin Marshall, Mohammad Wasim Ahmad and Callum Henderson
5017	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Comparative Analysis of Grid-Following and Grid-Forming Converters with HIL Validation	25PESGM-001042	JESUS FLORES HUAMAN, LUCAS ELIAS DOS SANTOS, JOSE CARLOS UGAZ PENA and DANIEL DOTTA
5018	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Evaluating Electric Vehicle Hosting Capacity Methods in Distribution Networks during Wildfires	25PESGM-001153	Oscar S. Acosta, Jubair Yusuf, William F. Vining and Alejandro D. Owen Aquino
5019	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Evaluating the Role of Heat Pump Water Heaters in Demand Response	25PESGM-001167	Dana Paresa, Midrar Adham and Robert B. Bass
5020	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Enhancing Power System Stability Through Fixed-Gain Tuning in Inverter Control Using Deep Reinforcement Learning	25PESGM-001177	Shuvangkar Das, Tuyen Vu, Deepak Ramasubramanian, Evangelos Farantatos, Jianhua Zhang and Thomas Ortmeyer
5021	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Impact of Multi-sector Carbon Tax for Achieving Deep Decarbonization	25PESGM-001224	Dimitri Saad, Mareldi Ahumada-Paras, Mo Sodwatana and Adam Brandt
5022	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A study on dc fault handling of dc-dc converter based on series and parallel connected DABs in MVdc applications <br clear="all">	25PESGM-001234	Sreenivasa S Jaldanki, Rajendra Prasad Kandula and Madhu Sudhan Chintavali
5023	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Grid CoPilot: A Large Language Model (LLM) based framework for Transforming Long-term Planning Analyses	25PESGM-001239	Sarthak Chaturvedi, Sichen Jin, Shrirang Abhyankar, Travis Thurber, Kostas Oikonomou and Nathalie Voisin

5024	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Black-Start Stability Enhancement of Grid-Forming Inverters via Adaptive Virtual Impedance Control	25PESGM-001260	Alexander Noggle, King Man Siu and Gab-Su Seo
5025	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Dynamic Model Predictive Control for Secondary Control of DC Microgrid	25PESGM-001325	Shivam Chaturvedi, Guilherme Hollweg, Shahid Aziz Khan, Mengqi Wang and Wencong Su
5026	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Enhanced Electromechanical Oscillation Damping and Decarbonization using Large Photovoltaic Plants	25PESGM-001350	Rajan Ratnakumar and Ganesh Kumar Venayagamoorthy
5027	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Sustainable Aviation Fuel Generation from Carbon-Captured CO ₂ : Electricity Impact and Demand-Side Flexibility Modeling	25PESGM-001371	M. Vivienne Liu, Jiazi Zhang, Yijin Li, Weijia Liu, Hongfei Sun and Ling Tao
5028	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Short-Term Load Forecasting for AI-Data Center	25PESGM-001419	Mariam Mughees, Yuzhuo Li, Yize Chen and Ryan Yunwei Li
5029	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Experimental Evaluation of Impact of Short-Circuit Ratio (SCR) and X/R Ratio on Stability of Grid-Forming and Grid-Following Inverters	25PESGM-002521	Jing Wang, Subhankar Ganguly and Benjamin Kroposki
5030	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Price signal-based operations of networked microgrids with high penetration of electric vehicles and mixed ownership	25PESGM-002548	Thanh Long Vu, Sayak Mukherjee, Kyung-Bin Kwon and Veronica Adetola
5031	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Cyberattack-aware Coordination of Networked Microgrids for Supporting Voltages of Bulk Power Systems	25PESGM-002553	Thanh Long Vu, Sayak Mukherjee and Veronica Adetola
5032	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	RE-INTEGRATE EMT Simulation Software: Graph Convolutional Network for Sparse Matrix Pattern Detection	25PESGM-002571	Rifat Hossain, Qianxue Xia and Suman Debnath
5033	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Multi-Class EV Traffic Simulation with Cost-Based Load Shedding to Enhance Grid Stability	25PESGM-002591	Antonio Avila and Paras Mandal
5034	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Novel Composite Nonlinear Control for Robust Operational Performance of DC Microgrid	25PESGM-002651	Hafiz Mian Muhammad Adil and Hassan Khan
5035	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Comparison of Model-Based and Model-Free Offline Reinforcement Learning Methods for Electric Vehicle Smart Charging Optimization	25PESGM-002673	Hicham Rahali, Andrey Poddubnyy and Phuong Nguyen

5036	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Unconventional Transmission Line for Carrying Greater Power Density	25PESGM-002708	Mushfiqul Abedin Khan and Mona Ghassemi
5037	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Analyzing the Impact of GFM-GFL Ratio and Placement on Transient Performance of an Islanded Grid	25PESGM-002737	Ashwini Kumar, Vineeth Patil and Ankit Singhal
5038	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	A Sliding Mode Control Framework for Optimizing Voltage Stability in Wind-Battery Microgrids	25PESGM-002745	Utkal Ranjan Muduli, Mohamed Shawky El Moursi, Khalifa Al Hosani and Ahmed Al-Durra
5039	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	SmartValve Solution for the Damping of the Power Oscillation	25PESGM-002751	PANAGIOTIS ELEFTherIADIS, Juan Botero, Omid Mirzapour and Francesca Madia Mele
5040	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Performance Assessment of Distance Protection Systems Under M-SSSC Integration	25PESGM-002785	David Urbaez, Francesca Madia Mele, Dilan Caro, Carlos Borda and PANAGIOTIS ELEFTherIADIS
5041	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Sub Synchronous Resonance Analysis of Modular Static Synchronous Series Compensator Solutions	25PESGM-002788	Juan Botero, Dilan Caro, Omid Mirzapour, PANAGIOTIS ELEFTherIADIS and Francesca Madia Mele
5042	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Grid-Edge Optimizer for Coordinated Solar PV and BESS Dispatch to Maximize DER Owner Profits	25PESGM-002795	Sai Chandana Vallam Kondu and Ravikumar Gelli
5043	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Enhancement of Blackstart Capability of Inverter based Critical Infrastructures Using Event Trigger based Adaptive Algorithm	25PESGM-002821	Diptiman Dey and Suryanarayana Doolla
5044	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Stability of the Islanded Network of Microgrids via Inertia Estimation	25PESGM-002822	Saleh Dinkhah and Maryam Khanbaghi
5045	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Invariance-Based Voltage Inference for Enhanced Observability in Radial Distribution Networks with Large-Scale DER Penetration	25PESGM-002894	Gabriel E. Mejia-Ruiz and Zhihua Qu
5046	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Impact of Grid-Forming Inverters equipped with Virtual Inertia on Power System Stability: An Eigenvalue and Dynamic Simulation Study	25PESGM-002945	Maysam Abbasi, Yuchen Zhang, Firuz Zare, Arindam Ghosh, Kevin Paice, Sachin Goyal and Yateendra Mishra
5047	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Load Forecasting using Social Media Data and Distilled Large Language Model Text Embeddings	25PESGM-002946	Simon Luong and Kyri Baker

5048	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Evaluating Load Coincidence and Distribution Grid Impacts of Residential EV Charging	25PESGM-002978	Shibani Ghosh, Erik Pohl, Priti Paudyal, Mingzhi Zhang and Mithat John Kisacikoglu
5049	Yellow - Grid & Emerging Technologies Coordinating Committee	Grid & Emerging Technologies Coordinating Committee Poster Session	Robust Planning Tool for Enhancing ERCOT Transmission Network Resiliency Against Extreme Weather Events	25PESGM-003025	Leandro De Jesus Bastias Oñate, Md Shahin Munsif, Agboola B. Alao, Olatunji Adeyanju, Manohar Chamana and Stephen Bayne

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7001	Purple - Transactions	Transactions Paper Poster Session	Fast Fault-Tolerant Grid Frequency Measurement	25PESGM-000004	Chris Wembridge, Mark Davies, James Lord, Evan Franklin, Sarah Lyden and Michael Negnevitsky
7002	Purple - Transactions	Transactions Paper Poster Session	Adaptive Distributionally Robust Planning for Renewable-Powered Fast Charging Stations Under Decision-Dependent EV Diffusion Uncertainty	25PESGM-000005	Yujia Li, Feng Qiu, Yixuan Chen and Yunhe Hou
7003	Purple - Transactions	Transactions Paper Poster Session	Spatial-Temporal Coordinated Volt/Var Control for Active Distribution Systems	25PESGM-000007	Xiangjing Su, Liying Fang, Jiajia Yang, Farhad Shahnia, Yang Fu and Zhaoyang Dong
7004	Purple - Transactions	Transactions Paper Poster Session	Operational Economics of Renewable Energy-Hydrogen System with Hydrogen-Powered Transportation	25PESGM-000010	Xinyi Lai, Jiajia Yang, Fushuan Wen and Zhao Yang Dong
7005	Purple - Transactions	Transactions Paper Poster Session	A Bi-Level Differential Game-Based Load Frequency Control With Cyber-Physical Security	25PESGM-000016	Saptarshi Ghosh and Charalambos Konstantinou
7006	Purple - Transactions	Transactions Paper Poster Session	Tensor Convolution-based Aggregated Flexibility Estimation in Active Distribution Systems	25PESGM-000019	Demetris Chrysostomou, Jose Luis Rueda Torres and Jochen Lorenz Cremer
7007	Purple - Transactions	Transactions Paper Poster Session	Real-Time Cyber-Physical Digital Twin for Low Earth Orbit Satellite Constellation Network Enhanced Wide-Area Power Grid	25PESGM-000029	Tianshi Cheng, Tong Duan and Venkata Dinavahi
7008	Purple - Transactions	Transactions Paper Poster Session	Machine-Learning-Reinforced Massively Parallel Transient Simulation for Large-Scale Renewable-Energy-Integrated Power Systems	25PESGM-000030	Tianshi Cheng, Ruogu Chen, Ning Lin, Tian Liang and Venkata Dinavahi
7009	Purple - Transactions	Transactions Paper Poster Session	Estimating Aggregate Capacity of Connected DERs and Forecasting Feeder Power Flow With Limited Data Availability	25PESGM-000031	Amir Reza Nikzad, Bala Venkatesh, Amr Adel Mohamed and John Penaranda
7010	Purple - Transactions	Transactions Paper Poster Session	Virtual Inertia Scheduling (VIS) for Microgrids with Static and Dynamic Security Constraints	25PESGM-000032	Buxin She, Fangxing Li, Jinning Wang, Hantao Cui, Xiaofei Wang and Rui Bo
7011	Purple - Transactions	Transactions Paper Poster Session	Stochastic Operation of Multi-Terminal Soft Open Points in Distribution Networks with Distributionally Robust Chance-Constrained Optimization	25PESGM-000033	Changhee Han, Ramesh R. Rao and Seokheon Cho
7012	Purple - Transactions	Transactions Paper Poster Session	Hierarchical Approach for Detection and Location of Open Conductor Fault in Power Distribution Networks	25PESGM-000048	Ji-Song Hong, Gi-Do Sim, Seung-Yoon Hyun and Sang-Yun Yun
7013	Purple - Transactions	Transactions Paper Poster Session	Experimental Investigation of Power-to-Voltage Sensitivity Profiles of Residential Loads for Load Management Studies	25PESGM-000052	Qiucen Tao, Maëva Courcelle, Johanna Geis-Schroer, Thomas Leibfried and Giovanni De Carne
7014	Purple - Transactions	Transactions Paper Poster Session	Adaptive Tie-line Power Smoothing with Renewable Generation Based on Risk-aware Reinforcement Learning	25PESGM-000054	Peipei Yu, Hongcai Zhang and Yonghua Song
7015	Purple - Transactions	Transactions Paper Poster Session	Hybrid Energy Storage Integrated Wind Energy fed DC Microgrid Power Distribution Control and Performance Assessment	25PESGM-000057	Pradyumna Kumar Behera and MONALISA PATTNAIK
7016	Purple - Transactions	Transactions Paper Poster Session	A Fair and Self-sufficient Value Stack-Based Compensation Scheme for DERs Enhancing Network Performance	25PESGM-000063	Shilpa Bindal and Abhijit R. Abhyankar
7017	Purple - Transactions	Transactions Paper Poster Session	Detailed Multi-Domain Modeling and Faster-Than-Real-Time Hardware Emulation of Small Modular Reactor for EMT Studies	25PESGM-000065	WEIRAN CHEN, Venkata Dinavahi and Ning Lin
7018	Purple - Transactions	Transactions Paper Poster Session	Distributed Energy Management of Multi-entity Integrated Electricity and Heat Systems: A Review of Architectures, Optimization Algorithms, and Prospects	25PESGM-000066	Weiye Zheng, Hao Lu, Menglin Zhang, Qiuwei Wu, Yunhe Hou and Jizhong Zhu
7019	Purple - Transactions	Transactions Paper Poster Session	A Criterion for Oscillation Source Localization with IBRs Based on Sub-synchronous Frequency Component of Instantaneous Power	25PESGM-000073	yanhui xu, yundan cheng, le zheng and hui liu
7020	Purple - Transactions	Transactions Paper Poster Session	Detailed Nonlinear Modeling and High-Fidelity Parallel Simulation of MMC With Embedded Energy Storage for Wind Farm Grid Integration	25PESGM-000075	Bingrong Shang, Ning Lin and Venkata Dinavahi

7021	Purple - Transactions	Transactions Paper Poster Session	Domain-Adaptive Clustered Federated Transfer Learning for EV Charging Demand Forecasting	25PESGM-000078	Tianjing Wang, Chao Ren, Zhaoyang Dong and Christine Yip
7022	Purple - Transactions	Transactions Paper Poster Session	Grid-Forming Control of DFIG-based Wind Turbine Generator by Using Internal Voltage Vectors for Asymmetrical Fault Ride-Through	25PESGM-000086	Xinquan Chen, Yuanzhu Chang and Ilhan Kocar
7023	Purple - Transactions	Transactions Paper Poster Session	Modelling of 3-Phase p-q Theory-Based Dynamic Load for Real-Time Simulation	25PESGM-000088	Karthik Rajashekaraiyah, Cosimo Iurlaro, Sergio Bruno and Giovanni De Carne
7024	Purple - Transactions	Transactions Paper Poster Session	Siting and Sizing of DG Units Considering Energy Equity: Model, Solution, and Guidelines	25PESGM-000096	Chenchen Li, Fangxing Li, Sufan Jiang, Xiaofei Wang and Jinning Wang
7025	Purple - Transactions	Transactions Paper Poster Session	Electric Vehicles Charging Time Constrained Deliverable Provision of Secondary Frequency Regulation	25PESGM-000104	Jinning Wang
7026	Purple - Transactions	Transactions Paper Poster Session	Small Modular Reactors: An Overview of Modeling, Control, Simulation, and Applications	25PESGM-000105	Yulin Wang, Weiran Chen, Linxuan Zhang, Xinyu Zhao, Yiming Gao and Venkata Dinavahi
7027	Purple - Transactions	Transactions Paper Poster Session	Deriving DERs VAR-Capability Curve at TSO-DSO Interface to Provide Grid Services	25PESGM-000109	Ankit Singhal, Alok Bharati and Venkataramana Ajarapu
7028	Purple - Transactions	Transactions Paper Poster Session	Applying Large Language Models to Power Systems: Potential Security Threats	25PESGM-000115	Jiaqi Ruan, Gaoqi Liang, Huan Zhao, Guolong Liu, Xianzhao Sun, Jing Qiu, Zhao Xu, Fushuan Wen and Zhao Yang Dong
7029	Purple - Transactions	Transactions Paper Poster Session	Real-Time Digital Twin: An Advanced Concept for Modeling SMRs	25PESGM-000132	WEIRAN CHEN and Venkata Dinavahi
7030	Purple - Transactions	Transactions Paper Poster Session	Convergence Enhancement for Neural Network Integrated Power System Time Domain Simulation	25PESGM-000134	Xin Wang, Ke Yang, Guangchao Geng and Quanyuan Jiang
7031	Purple - Transactions	Transactions Paper Poster Session	Communication-Free Distributed Charging Control for Electric Vehicle Group	25PESGM-000140	Heyang Yu, Chuanzi Xu, Weifeng Wang, Guangchao Geng and Quanyuan Jiang
7032	Purple - Transactions	Transactions Paper Poster Session	Stability Enhancement of Power Synchronisation Control Based Grid-Forming Inverter Under Varying Network Characteristics	25PESGM-000141	Chalitha Liyanage, Inam Nutkani, LASANTHA MEEGAHAPOLA and Mahdi Jalili
7033	Purple - Transactions	Transactions Paper Poster Session	Analytical Decomposition of Nodal Frequency Responses	25PESGM-000155	Jiaxin Wang, Jiawei Zhang, Qingchun Hou, Haiyang Jiang, Goran Strbac, Fei Teng and Ning Zhang
7034	Purple - Transactions	Transactions Paper Poster Session	Peer-to-Peer Energy Trading Enabled Optimal Decentralized Operation of Smart Distribution Grids	25PESGM-000171	LPMI Sampath, Amrit Paudel, Hung Dinh Nguyen, Eddy Y.S. Foo and Hoay Beng Gooi
7035	Purple - Transactions	Transactions Paper Poster Session	Accelerated Benders decomposition for enhanced co-optimized T&D system planning	25PESGM-000181	Wandry R. Faria, Gregorio Muñoz-Delgado, José M. Arroyo, Javier Contreras and Benvindo R. Pereira Jr.
7036	Purple - Transactions	Transactions Paper Poster Session	Perturbation-Based Load Sensitivity Identification for Solid-State Transformer-Based Load Control	25PESGM-000196	Maeva Courcelle, Qiucen Tao, Johanna Geis-Schroer, Thomas Leibfried and Giovanni De Carne
7037	Purple - Transactions	Transactions Paper Poster Session	Stochastic-Robust Planning of Networked Hydrogen-Electrical Microgrids: A Study on Induced Refueling Demand	25PESGM-000203	Xunhang Sun, Xiaoyu Cao, Bo Zeng, Qiaozhu Zhai, Tamer Basar and Xiaohong Guan
7038	Purple - Transactions	Transactions Paper Poster Session	Robust Traveling Wave-Based Protection Scheme for Multiterminal DC Grids	25PESGM-000204	le liu
7039	Purple - Transactions	Transactions Paper Poster Session	Quantile-Mixer: A Novel Deep Learning Approach for Probabilistic Short-Term Load Forecasting	25PESGM-000209	Seunghyoung Ryu and Yonggyun Yu
7040	Purple - Transactions	Transactions Paper Poster Session	Online and Look-Ahead Determination of the Renewable Admissible Region for Managing the Uncertainty of Renewables: Theory and Some Applications	25PESGM-000213	lin zeng and Hsiao-dong Chiang
7041	Purple - Transactions	Transactions Paper Poster Session	Unsupervised Learning for Solving AC Optimal Power Flows: Design, Analysis, and Experiment	25PESGM-000235	Wanjun Huang, Minghua Chen and Steven Low
7042	Purple - Transactions	Transactions Paper Poster Session	A Model Predictive Control-Based Energy Management Strategy for Secure Operations in Shipboard Power Systems	25PESGM-000246	Fabio D'Agostino, Marco Gallo, Matteo Saviozzi and Federico Silvestro
7043	Purple - Transactions	Transactions Paper Poster Session	Wide area control of inverter based power grids	25PESGM-000263	Priyatosh Mahish, Pratim Kundu and Sukumar Mishra

7044	Purple - Transactions	Transactions Paper Poster Session	Model-based Detection of Coordinated Attacks (DCA) in Distribution Systems	25PESGM-000267	Nitasha Sahani and Chen-Ching Liu
7045	Purple - Transactions	Transactions Paper Poster Session	Variational Bayesian Unscented Kalman Filter for Active Distribution System State Estimation	25PESGM-000281	Dragan Cetenovic, Junbo Zhao, Victor Levi, Yitong Liu and Vladimir Terzija
7046	Purple - Transactions	Transactions Paper Poster Session	DG Locational Value in Distribution Systems Considering Reliability via Cooperative Game Theory	25PESGM-000305	Paulo Victor de Souza Borges, Armando Silva, Delberis Lima and Luiz C. Nascimento
7047	Purple - Transactions	Transactions Paper Poster Session	Incipient Fault Detection based Active Protection of Photovoltaic DC Integration System	25PESGM-000313	Yang ZHANG, Ke Jia, Zainan Li and Tianshu Bi
7048	Purple - Transactions	Transactions Paper Poster Session	Cross-System Fault Propagation Mechanism in Heat-Electrical Integrated Energy Systems: Insights from Pipe Leakage	25PESGM-000318	Aobo Guan, Suyang Zhou, Wei Gu, Shuai Lu, Suhan Zhang and Dongming Gu
7049	Purple - Transactions	Transactions Paper Poster Session	Market Implications of Alternative Operating Reserve Modeling in Wholesale Electricity Markets	25PESGM-000329	Hamid Davoudi, Fengyu Wang, Yonghong Chen, Di Shi, Alinson Xavier and Feng Qiu
7050	Purple - Transactions	Transactions Paper Poster Session	Machine Learning-Based Severity Assessment and Incipient Turn-to-Turn Fault Detection in Induction Motors	25PESGM-000337	Naveenkumar R. Sharma, Bhavesh R. Bhalja and Om P. Malik
7051	Purple - Transactions	Transactions Paper Poster Session	Optimal Shunt Reactor Planning for Offshore Wind Farm	25PESGM-000387	Gary Chang, Iverson Li, Christian Sinatra and Wei-Yun Huang
7052	Purple - Transactions	Transactions Paper Poster Session	Unifying Load Disaggregation and Prediction for Buildings with Behind-the-Meter Solar	25PESGM-000400	Yating Zhou and Meng Wang
7053	Purple - Transactions	Transactions Paper Poster Session	A Conic Relaxation Approach for Solving Stackelberg Pricing Game of Electric Vehicle Charging Station Considering Traffic Equilibrium	25PESGM-000409	Hongtai Zeng, Yujie Sheng, Hongbin Sun, Yanzhen Zhou, Yixun Xue and Qinglai Guo
7054	Purple - Transactions	Transactions Paper Poster Session	Scalable Risk Assessment of Rare Events in Power Systems with Uncertain Wind Generation and Loads	25PESGM-000441	Bendong Tan, Junbo Zhao and Yousu Chen
7055	Purple - Transactions	Transactions Paper Poster Session	Cooperative Dispatch of Renewable-Penetrated Microgrids Alliances Using Risk-Sensitive Reinforcement Learning	25PESGM-000445	Ziqing ZHU, Xiang GAO, Siqi BU, Ka Wing CHAN, Bin ZHOU and Shiwei XIA
7056	Purple - Transactions	Transactions Paper Poster Session	Graph Theory-Based Topology Derivation for Diverter Switches of Vacuum-Type OLTCS	25PESGM-000448	chenguang yan, Zhangheng Liu, kai ding, hongxi yang, shiqi kang, peng zhang, hao liu, che xu and baohui zhang
7057	Purple - Transactions	Transactions Paper Poster Session	Data-Driven Two-Stage Fault Detection and Diagnosis Method for Photovoltaic Power Generation	25PESGM-000449	Jihun Ha, Prasanth Ram Jothikumar, Youngjin Kim and Junho Hong
7058	Purple - Transactions	Transactions Paper Poster Session	Real-time Robust State Estimation for Large-scale Low-observability Power-transportation System Based on Meta Physics-informed Graph TimesNet	25PESGM-000452	Shijie Li, Weijian Li, Lulu Chen and Huaiguang Jiang
7059	Purple - Transactions	Transactions Paper Poster Session	Optimal Vehicle Charging in Bilevel Power-Traffic Networks via Charging Demand Function	25PESGM-000454	Yufan Zhang, Sujit Dey and Yuanyuan Shi
7060	Purple - Transactions	Transactions Paper Poster Session	Coordinated Frequency Regulation of Active Distribution Networks Considering Dimension-Augmented Power Flow Constraints	25PESGM-000462	Jiaqing Zhai, Li Guo, Zhongguan Wang, Xialin Li, Yixin Liu and Chengshan Wang
7061	Purple - Transactions	Transactions Paper Poster Session	Robust Resilience Enhancement by EV Charging Infrastructure Planning in Coupled Power Distribution and Transportation Systems	25PESGM-000500	Jianfeng Wen, Wei Gan, Chia-Chi Chu, Lin Jiang and Jiajie Luo
7062	Purple - Transactions	Transactions Paper Poster Session	Limitations and Performance of Pressure Relief Devices in On-Load Tap Changer Compartments under Arcing Faults	25PESGM-000509	chenguang yan, Hao Liu, Che Xu, Hongxi Yang, Jiaxu Guo, Peng Zhang, Shuyou Zhu and Baohui Zhang
7063	Purple - Transactions	Transactions Paper Poster Session	Fault Detection and Localization in Active Distribution Networks Using Optimally Placed Phasor Measurements Units	25PESGM-000518	Francesco Conte, Fabio D'Agostino, Bruno Gabriele, Giacomo-Piero Schiapparelli and Federico Silvestro
7064	Purple - Transactions	Transactions Paper Poster Session	A Spatio-temporal Decomposition Method for the Coordinated Economic Dispatch of Integrated Transmission and Distribution Grids	25PESGM-000521	Qi Wang, Wenchuan Wu, Chenhui Lin, Yue Yang and Bin Wang
7065	Purple - Transactions	Transactions Paper Poster Session	Managing Renewable Energy Risk in the Brazilian Forward Market: The Impact of Hourly Hedging	25PESGM-000553	Alexandre Street, Bruno Fanzeres and Gustavo Carvalho

7066	Purple - Transactions	Transactions Paper Poster Session	Resilience Enhancement for Distribution System With Multiple Non-Anticipative Uncertainties Based on Multi-Stage Dynamic Programming	25PESGM-000576	Houbo Xiong and Chuangxin Guo
7067	Purple - Transactions	Transactions Paper Poster Session	ParaEMT: An Open Source, Parallelizable, and HPC-Compatible EMT Simulator for Large-Scale IBR-Rich Power Grids	25PESGM-000583	Min Xiong, Bin Wang, Deepthi Vaidhynathan, Jonathan Maack, Matthew Reynolds, Andy Hoke, Kai Sun and Jin Tan
7068	Purple - Transactions	Transactions Paper Poster Session	Inertia Estimation of a Power System Area Based on Iterative Equation Error System Identification	25PESGM-000602	Davide Gotti, Federico Bizzarri, Angelo Brambilla, Davide del Giudice, Samuele Grillo, Daniele Linaro, Pablo Ledesma and Hortensia Amaris
7069	Purple - Transactions	Transactions Paper Poster Session	Online Estimation of Area-level Inertia Considering Inter-Area Equivalent Frequency Dynamics	25PESGM-000605	Tianshu Bi, Jiahao Liu and Cheng Wang
7070	Purple - Transactions	Transactions Paper Poster Session	Short-term Operation Flexibility in Modular Power to Hydrogen based Ammonia Industries	25PESGM-000606	Aaquib Firdous, Chandra Prakash Barala, Parul Mathuria and Rohit Bhakar
7071	Purple - Transactions	Transactions Paper Poster Session	Manipulation-Proof Virtual Bidding Mechanism Design	25PESGM-000627	Chenbei Lu, Jinhao Liang, Nan Gu, Haoxiang Wang and Chenye Wu
7072	Purple - Transactions	Transactions Paper Poster Session	Co-optimizing Distributed Energy Resources in Linear Complexity under Net Energy Metering	25PESGM-000631	Ahmed Alahmed, Lang Tong and Qing Zhao
7073	Purple - Transactions	Transactions Paper Poster Session	A Semi-Analytical Approach for State-Space Electromagnetic Transient Simulation	25PESGM-000644	Min Xiong, Kaiyang Huang, Yang Liu, Rui Yao, Kai Sun and Feng Qiu
7074	Purple - Transactions	Transactions Paper Poster Session	Generic Multi-Timescale Modeling Framework of Hybrid Power Plants Providing Secondary Frequency Regulation	25PESGM-000647	Xin Fang and Yuxin Deng
7075	Purple - Transactions	Transactions Paper Poster Session	Analysis and Mitigation of Cascading Failures Using a Stochastic Interaction Graph with Eigen-analysis	25PESGM-000651	Zhenping Guo, Xiaowen Su, Kai Sun, Byungkwon Park and Srdjan Simunovic
7076	Purple - Transactions	Transactions Paper Poster Session	PI-Controlled Variable Time-Step Power System Simulation Using an Adaptive Order Differential Transformation Method	25PESGM-000652	Kaiyang Huang, Yang Liu, Kai Sun and Feng Qiu
7077	Purple - Transactions	Transactions Paper Poster Session	Initializing Large-Scale Multi-Terminal HVDC Systems Using Decoupling Interface	25PESGM-000675	Ahmad Allabadi, Jean Mahseredjian, Keijo Jacobs, Sebastien Dennetière, İlhan Koca and Tarek Ould-Bachir
7078	Purple - Transactions	Transactions Paper Poster Session	Transient Stability of Synchronous Condenser Co-located with Renewable Power Plants under High-Resistance Faults and Risk Mitigation	25PESGM-000694	Xinyu Liu
7079	Purple - Transactions	Transactions Paper Poster Session	Capacity Aggregation and Online Control of Clustered Energy Storage Units	25PESGM-000698	Boshen Zheng, Wei Wei, Yin Xu and Yue Chen
7080	Purple - Transactions	Transactions Paper Poster Session	Multi-swing PLL Synchronization Transient Stability of Grid-Connected Paralleled Converters	25PESGM-000738	Zhi Wang, Li Guo, Xialin Li, Xu Zhou, Jiebei Zhu and Chengshan Wang
7081	Purple - Transactions	Transactions Paper Poster Session	Investigation of Cascaded Commutation Failures in Multiple LCC-HVdc Inverters Caused by Rectifier Side AC Grid Faults	25PESGM-000748	HAO XIAO, Jhair S. Acosta, Aniruddha M. Gole, Xianzhong Duan and Yi Zhang
7082	Purple - Transactions	Transactions Paper Poster Session	Enhanced Generalized Alpha Plane for Numerical Differential Protection Applications	25PESGM-000757	Romulo Bainy and Kleber Silva
7083	Purple - Transactions	Transactions Paper Poster Session	A Comparison of Three Methods for ISO Pricing	25PESGM-000773	Yonghong Chen, Richard O'Neill and Peter Whitman
7084	Purple - Transactions	Transactions Paper Poster Session	Coordination of Multi-Agent Orderly Charging Via An Incentive-Compatible Mechanism	25PESGM-000812	Ziyu Chen, Jizhong Zhu, Chao Sun, Wanli Wu, Yan Xu and Jingxian Chen
7085	Purple - Transactions	Transactions Paper Poster Session	Misclassification Prediction for Transient Stability Assessment	25PESGM-000909	Tetiana Bogodorova, Denis Osipov and Joe Chow
7086	Purple - Transactions	Transactions Paper Poster Session	Real-time Optimal Power Flow Method via Safe Deep Reinforcement Learning Based on Primal-Dual and Prior Knowledge Guidance	25PESGM-000945	Pengfei Wu, Chen Chen, Dexiang Lai, Jian Zhong and Zhaohong Bie
7087	Purple - Transactions	Transactions Paper Poster Session	A Decentralized Market Model for a Microgrid With Carbon Emission Rights	25PESGM-000968	Chenggang Mu, Tao Ding, Shanying Zhu, OuZhu Han, Pengwei Du, Fangxing Li and Pierluigi Siano

7088	Purple - Transactions	Transactions Paper Poster Session	Energy-Utilizing Frequency Support for MMC MTDC System Integrating Asynchronous Grids	25PESGM-000991	Haobo Zhang, Wang Xiang, Yining Wang and Jinyu Wen
7089	Purple - Transactions	Transactions Paper Poster Session	Dynamic Modeling and Stability Analysis for Repeated LVRT Process of Wind Turbine Based on Switched System Theory	25PESGM-001003	Qiping Lai, Chen Shen and Dongsheng Li
7090	Purple - Transactions	Transactions Paper Poster Session	Dynamic Net Metering for Energy Communities	25PESGM-001024	Ahmed Alahmed and Lang Tong
7091	Purple - Transactions	Transactions Paper Poster Session	Efficient Corona Modeling for FDTD Simulations	25PESGM-001039	Ruyguara Meyberg, Maria Teresa Correia de Barros and Jean Mahseredjian
7092	Purple - Transactions	Transactions Paper Poster Session	Wide-Synchronization Control for Power Systems With Grid-Forming Converters	25PESGM-001078	Rossano Musca, Eleonora Riva Sanseverino, Gaetano Zizzo, Giorgio Giannuzzi and Cosimo Pisani
7093	Purple - Transactions	Transactions Paper Poster Session	Hierarchical Deep Learning Model for Degradation Prediction per Look-Ahead Scheduled Battery Usage Profile	25PESGM-001103	Cunzhi Zhao and Xingpeng Li
7094	Purple - Transactions	Transactions Paper Poster Session	Fast Contingency Analysis and Control for Overload Mitigation in Integrated High Voltage AC and Multi-Terminal HVDC Grids	25PESGM-001165	Kai Strunz, Samuel Schilling, Maren Kuschke and Anna Czerwinska
7095	Purple - Transactions	Transactions Paper Poster Session	An Advanced Control Strategy for Enhancing Voltage Support with Minimum Active Power Curtailment during Asymmetrical Faults	25PESGM-001264	Narayana Prasad Padhy and Suresh Maganti
7096	Purple - Transactions	Transactions Paper Poster Session	Cyber Insurance Against Cyberattacks on Electric Vehicle Charging Stations	25PESGM-001273	Samrat Acharya, Robert Mieth, Charalambos Konstantinou, Ramesh Karri and Yury Dvorkin
7097	Purple - Transactions	Transactions Paper Poster Session	Locating the Source of Oscillation With Two-Tier Dynamic Mode Decomposition Integrating Early-Stage Energy	25PESGM-001292	Min-Seung Ko, Wooyoung Shin, Kai Sun and Kyeon Hur
7098	Purple - Transactions	Transactions Paper Poster Session	Model-Free Distributed Voltage Control for Distribution Networks Based on State Space Mapping and Super-Linear Feedback	25PESGM-001312	Zhongguan Wang, Jiachen Liu, Xiang Zhu, Xialin Li, Li Guo, Linquan Bai and Chengshan Wang
7099	Purple - Transactions	Transactions Paper Poster Session	Meta-Learning Based Voltage Control for Renewable Energy Integrated Active Distribution Network Against Topology Change	25PESGM-001340	Yincheng Zhao and lingling wang
7100	Purple - Transactions	Transactions Paper Poster Session	Enhancing Performance of Andronov-Hopf Oscillator based-Grid Forming Converters in Microgrids with Non-invasive Online Impedance Estimation	25PESGM-001351	Trung Tran, Sriram Karthik Gurumurthy, Minh-Quan Tran, Thien-An Nguyen-Huu, Tobias Heins, Ferdinanda Ponci, Antonello Monti and Phuong Nguyen
7101	Purple - Transactions	Transactions Paper Poster Session	FIDVR Capability of Hybrid Grid-Forming PV Power Plants During Feeder Restoration	25PESGM-001368	Abdelrahman Mannan, Hoang Dan and Hugo Villegas
7102	Purple - Transactions	Transactions Paper Poster Session	A Novel Power-Band Based Data Segmentation Method for Enhancing Meter Phase and Transformer-Meter Pairing Identification	25PESGM-001382	Hanpyo Lee, PJ Rehm, Matthew Makdad, Edmond Miller and Ning Lu
7103	Purple - Transactions	Transactions Paper Poster Session	An Improved Interpolated DFT-Based Parameter Identification for Sub-/Super-Synchronous Oscillations With Synchrophasors	25PESGM-001403	Fang Zhang
7104	Purple - Transactions	Transactions Paper Poster Session	Splitting State-Space Method for Converter-Integrated Power Systems EMT Simulations	25PESGM-001425	Xiaopeng Fu, Wei Wu, Peng Li, Jean Mahseredjian, Jianzhong Wu and Chengshan Wang
7105	Purple - Transactions	Transactions Paper Poster Session	Geomagnetically Induced Current Field Test on Large Grid-Connected Power Transformers: Analysis, Model Development, and Simulations	25PESGM-002519	Adedasola Ademola, Roland Brandis, Andreas Schuetzinger, Bart Simons, Luc Dormmanns, Andrea Pinceti, Katelynn Vance, Ibukunoluwa Korede, Robert Orndorff, Micah Till, Kyle Hannah, Mike Lamb, Matthew Gardner and Yilu Liu
7106	Purple - Transactions	Transactions Paper Poster Session	Hardware-in-the-Loop Real-Time Transient Emulation of Large-Scale Renewable Energy Installations Based on Hybrid Machine Learning Modeling	25PESGM-002533	Ning Lin, Ruogu Chen, Tianshi Chen, Tian Liang and Venkata Dinavahi
7107	Purple - Transactions	Transactions Paper Poster Session	Generative Wind Power Curve Modeling Via Machine Vision: A Deep Convolutional Network Method with Data-Synthesis-Informed-Training	25PESGM-002558	Luoxiao Yang and Zijun Zhang
7108	Purple - Transactions	Transactions Paper Poster Session	Long-Term Carbon-Efficient Planning for Geographically Shiftable Resources: A Monte Carlo Tree Search Approach	25PESGM-002676	Xuan HE, Danny Hin-Kwok TSANG and Yize CHEN

7109	Purple - Transactions	Transactions Paper Poster Session	A Simple and Fast Heuristic Approach for the Reconfiguration of Radial Distribution Networks	25PESGM-002682	Pratik Harsh
7110	Purple - Transactions	Transactions Paper Poster Session	Comparison of Power Swing Characteristics and Efficacy Analysis of Impedance-based Detections in Synchronous Generators and Grid-following Systems	25PESGM-002703	Yongxin Xiong, Heng Wu, Yifei Li and Xiongfei Wang
7111	Purple - Transactions	Transactions Paper Poster Session	Resilient Event-Driven Distributed Control for DC Microgrids Against False Data Injection Attacks	25PESGM-002744	Devakumar Annavaram, Sukumar Mishra and Deepak Pullaguram
7112	Purple - Transactions	Transactions Paper Poster Session	Practical Methods of Defective Input Feature Correction to Enable Machine Learning in Power Systems	25PESGM-002774	Jingzi Liu, Fangxing Li, Francisco Zelaya-Arrazabal, Hector Pulgar-Painemal and Hongyu Li
7113	Purple - Transactions	Transactions Paper Poster Session	A Comprehensive Review of High-Frequency AC Microgrids for Distribution Systems	25PESGM-002780	Gajendra Singh Chawda, Wencong Su and Mengqi Wang
7114	Purple - Transactions	Transactions Paper Poster Session	Adaptive Deep Reinforcement Learning Algorithm for Distribution System Cyber Attack Defense With High Penetration of DERs	25PESGM-002783	Alaa Selim
7115	Purple - Transactions	Transactions Paper Poster Session	Spatio-Temporal Deep Learning-Assisted Reduced Security-Constrained Unit Commitment	25PESGM-002813	Arun Venkatesh Ramesh and Xingpeng Li
7116	Purple - Transactions	Transactions Paper Poster Session	Improved Fault Ride-Through Response of Grid Forming Inverters under Symmetrical and Asymmetrical Faults	25PESGM-002823	Imran Khan and Suryanarayana Doolla
7117	Purple - Transactions	Transactions Paper Poster Session	Marginal Pricing in Adaptive Robust Unit Commitment Under Load and Capacity Uncertainty	25PESGM-002904	Dimitris Bertsimas and Angelos Koulouras
7118	Purple - Transactions	Transactions Paper Poster Session	Risk-Aware Security-Constrained Unit Commitment: Taming the Curse of Real-Time Volatility and Consumer Exposure	25PESGM-003023	Daniel Bienstock, Yury Dvorkin, Cheng Guo, Robert Mieth and Jiayi Wang

Poster Board Number	Section	Session Name	Committee Poster Title	Sponsoring Committee / Working Group / Subcommittee
6001	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Intelligent Systems Subcommittee	Intelligent Systems Subcommittee
6002	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Smart Buildings-Loads-Customer Systems Committee	Technical Committee
6003	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Surge Protective Devices Committee	Surge Protective Devices Committee
6004	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	IEEE PES Switchgear (SWG) Standards Committee	IEEE PES Switchgear Committee
6005	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Transmission and Distribution Committee Activities	Transmission and Distribution Committee
6006	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	IEEE/PES Transformers Committee	Transformers Committee (Technical Committee)
6007	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing Used for Live Work and/or power frequency AC Induction Protection	Std. Working Group
6008	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Guide for Validation of Software Models of Generators for Power System Studies	IEEE P2882 Working Group (Sponsored by IEEE PES AMPS Committee)
6009	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	FACTS and HVDC Stations	FACTS and HVDC Stations Subcommittee
6010	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Data Sharing in Energy Systems	Task Force
6011	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Secure, Trustworthy, and Resilient: Big Data & Analytics for Power and Energy Systems in the Era of Agentic AI	Task Force on Big Data and Analytics for Security and Resilience of Power Systems
6012	Committee Working Group / Orange Section	PES Technical Committee Working Group Poster	Edge Computing in the Era of High DER Penetration	Big Data Analytics Subcommittee, Edge Computing Task Force