

Board Number	Section	Session Title	Paper Title	Paper Number	Authors
1001	White - Energy Conversion	Electric Machinery Poster Session	A Data-Driven Study Based on Field Experience to Assess the Rated Voltage of Hydropower Generators	26PESGM000093	Edson Bortoni, Roberto Siniscalchi, Johnny Rocha and Mauro Uemori
1002	White - Energy Conversion	Electric Machinery Poster Session	Computationally Efficient Induction Machine Model Incorporating Magnetic Saturation and Air-Gap Flux Harmonics for Offline and Real-Time Analysis	26PESGM000149	MohammadSadegh KhajueeZadeh, Arash Safavizadeh, Shadman Saqlain Rahman, Navid Amiri and Juri Jatskevich
1003	White - Energy Conversion	Electric Machinery Poster Session	Enhanced Demand-Side Flexibility Through Super-Twisting Sliding Mode Control of Linear Oscillatory Machine Compressors	26PESGM000362	Abdul Khalique Junejo and Mohammad Ali Abido
1004	White - Energy Conversion	Electric Machinery Poster Session	Interaction Analysis of Virtual Synchronous Machine Control with the AC Grid	26PESGM000412	Jesus Flores Huaman, Jose Carlos Ugaz Pena, DANIEL DOTTA and Reinaldo Tonkoski
1005	White - Energy Conversion	Electric Machinery Poster Session	Design and Construction of a Multi-Port Permanent Magnet Synchronous Generator Prototype for an Integrated Generator-Rectifier System	26PESGM000415	Anjana Jayasanka Samarakoon, Samith Sirimanna, Anubhav Bose, Debranjana Mukherjee, Luigi Passerotti, Arijit Banerjee and Kiruba Haran
1006	White - Energy Conversion	Electric Machinery Poster Session	Braking Torque Analysis of Stator Field-Excited Synchronous Machine	26PESGM000427	Mostafa Fereydoonian, Hyunwoo Kim and Woongkul Lee
1007	White - Energy Conversion	Electric Machinery Poster Session	A Practical Method to Monitor Generator Frequency Response and Screen Governor Models in Puerto Rico <br clear="all">	26PESGM000515	Pavel Etingov, Alexandre Nassif, Marcelo Elizondo, Alok Bharati, Vahan Gevorgian, Bryan Palmintier, Oscar Garzon Rivera, Daniel Haughton, Estefania Alfaro-Mejia, Taisha Rosa-Ramirez and Alfonso Baretty
1008	White - Energy Conversion	Electric Machinery Poster Session	Electromagnetic Performance Comparison of Pole-Slot Combination in Outer Rotor Permanent Magnet Synchronous Machine for Drone Application	26PESGM000567	Hyunwoo Kim and Woongkul Lee
1009	White - Energy Conversion	Electric Machinery Poster Session	Integral Sliding Mode Surface Based Super-Twisting Combined with Model Predictive Flux Control for LIM Applied to Linear Metro Systems	26PESGM000778	Abdul Khalique Junejo and Mohammad Ali Abido
1010	White - Energy Conversion	Electric Machinery Poster Session	Detection and Discrimination of Inter-Turn and Demagnetization faults for PMSMs Based on An FEM and Model-Based Technique	26PESGM000841	Yacine Maanan and Qingsong Wang
1011	White - Energy Conversion	Electric Machinery Poster Session	Electromagnetic Performance Analysis of Novel Dual-Stator Electric Machine for Renewable Energy Conversion Applications	26PESGM000976	Sunday Joseph, Richard Wies and Maher Al-Badri
1012	White - Energy Conversion	Electric Machinery Poster Session	Magnetic Materials and System-Level Evaluation of RE-free Fe ₂ Ni ₂ N versus N35 Magnets under Inverter Voltage–Current Constraints in the 2012 Nissan Leaf IPMSM	26PESGM000979	Sayem Ul Alam, Shuhui Li, Yang-Ki Hong, Zhenghao Liu and Md Imtiaz Kamrul
1013	White - Energy Conversion	Electric Machinery Poster Session	Analysis of B-H and J-H Hysteresis Characteristics for Irreversible Demagnetization Modeling in NdFeB PMSM Applications.	26PESGM001137	Md Imtiaz Kamrul, Shuhui Li, Sayem Ul Alam, Nathan Jeong and Yang-Ki Hong
1014	White - Energy Conversion	Electric Machinery Poster Session	Optimization and Performance Analysis of BLDC Motors Using the FEM Simulations	26PESGM001359	ALIREZA SIADATAN, Hamed Karimi, Moyang Cui, Fatemeh Ghalavand, Amirhosein Mansouri and Maryam Sepehrinour
1015	White - Energy Conversion	Electric Machinery Poster Session	Torque Ripple Minimization of an Innovative Non-Permanent Magnet Hybrid Excited Switched Reluctance Motor for Electric Vehicle Applications.	26PESGM001391	VIJINA ABHIJITH
1016	White - Energy Conversion	Electric Machinery Poster Session	Evaluation of Permanent Magnet Effects on the Performance of PMA-SynRM in Electric Vehicles	26PESGM001411	Zhenghao Liu, Shuhui Li, Yang-Ki Hong and Sayem Ul Alam

1017	White - Energy Conversion	Electric Machinery Poster Session	Electromagnetic Analysis of Ferrite Spoke-Type PMSM for Light-Duty EVs: A Comparison with Surface-Mounted Topology	26PESGM001660	Fatemeh Ghalavand, ilamparithi Thirumarai Chelvan, Alireza Siadatan and Afshin Rezaei Zare
1018	White - Energy Conversion	Electric Machinery Poster Session	Integrated Magneto Drive Unit with Synchronous Reluctance Motor	26PESGM001742	Saira Tariq , Qingsong Wang, Ambrish Chandra and Zhaocheng Liu
1019	White - Energy Conversion	Energy Development and Power Generation Poster Session	Wasserstein Distributionally Robust Optimization for Coordinated AI Datacenter Scheduling and Power Distribution Network Operation	26PESGM000147	JIEBAO ZHANG
1020	White - Energy Conversion	Energy Development and Power Generation Poster Session	Optimal Multi-Objective Scheduling for Peak Shaving of Hydropower Plants in Coordinated Hydro-Wind-Photovoltaic Hybrid Systems	26PESGM000241	Yongpei Li, Siyang Liao, Jian Xu, Youhan Deng, Hongfeng Xie, Jiahao Li and Haoyuan He
1021	White - Energy Conversion	Energy Development and Power Generation Poster Session	Transient Stability Analysis of a Hybrid Offshore Wind Farm Connected to a Hybrid HVDC Link with a Supercapacitor-based Energy Storage System and a High Temperature Superconducting Coil	26PESGM000364	LI WANG, Ting-Wei Hong, Ching-Chung Tseng and Aji Akbar Firdaus
1022	White - Energy Conversion	Energy Development and Power Generation Poster Session	Robust Oscillation Damping Control for Multi-VSG Microgrids Under Line Impedance Uncertainties	26PESGM000431	Yuping Zhang, Yunyun Xie, Sheng Cai, Lei Yu, Jie Zhu and Chenguang Qiu
1023	White - Energy Conversion	Energy Development and Power Generation Poster Session	A Novel and Cost-effective Black Start Strategy of Anti-parallel Thyristor-Based DR-HVDC System for Offshore Windfarm	26PESGM000457	Haotian Di, Wang Xiang and Jinyu Wen
1024	White - Energy Conversion	Energy Development and Power Generation Poster Session	Intelligent Operation and Coordinated Control of Networked Microgrid Systems	26PESGM000462	Ahmed Aghmadi, Rawan A. Taha, Ahmed M. Ibrahim, Sara H. Moustafa and Osama A. Mohammed
1025	White - Energy Conversion	Energy Development and Power Generation Poster Session	Grid-Forming Load Planning Strategy for Stability Enhancement in Inverter Dominated Power Systems	26PESGM000694	Baity Nuris Syifa, Rakibuzzaman Shah, N Mithulananthan, Tanazzaha Nur Izzati, Adlan Pradana and Syed Islam
1026	White - Energy Conversion	Energy Development and Power Generation Poster Session	Optimal Capacity Planning of Integrated Energy System Considering Seasonal Ammonia Storage and Coordinated Multi-Hydrogen Ammonia Production	26PESGM000714	Jiang Liu, Chengxi Liu and Wei Zhang
1027	White - Energy Conversion	Energy Development and Power Generation Poster Session	GreenShield Port Architecture for Multi Carrier Resiliency Integrating Offshore Wind, Hydrogen Ferry, and Mobile Fuel Cell Generators	26PESGM000731	Aligul Selim Turkoglu, Artur Costa e Sá, Sérgio F. Santos, Ozan Erdinc and João Catalão
1028	White - Energy Conversion	Energy Development and Power Generation Poster Session	Exploring the Vertical Axis Wind Turbines Generation in Puerto Rico for Emergency Use	26PESGM000791	Abdiel Gomez-Alverio, Sebastian Sullivan-Sanchez, Bill Perez-Moyet, Jose Laboy-Steidel, Daniel Mera-Romo and Diego Aponte-Roa
1029	White - Energy Conversion	Energy Development and Power Generation Poster Session	Online Monitoring of Excitation Control Systems	26PESGM001106	Kiyong Kim, Henry Jansen and Mike Basler
1030	White - Energy Conversion	Energy Development and Power Generation Poster Session	Assessment of Stability and Control Interaction Risks in PV Parks with Two-Stage Grid-Forming Control	26PESGM001164	Dabeaurard Tho, Jean Mahseredjian, Antoine Lesage-Landry, Nasim Rashidirad and Alireza Masoom
1031	White - Energy Conversion	Energy Development and Power Generation Poster Session	Aggregation-Based Power Fluctuation Mechanisms for Offshore Wind Power Clusters During Typhoons	26PESGM001284	Jiale Luo, Xiangjing Su, Shiqu Xiao, Yunhui Tan, Yang Liu and Yang Fu
1032	White - Energy Conversion	Energy Development and Power Generation Poster Session	Ultra-Short-Term Offshore Wind Power Prediction Considering Causal Mechanisms Under Typhoons	26PESGM001290	Junhao Gong, Xiangjing Su, Shuai Yu, Lujie Liu, Yuanyuan Liu and Yang Fu
1033	White - Energy Conversion	Energy Development and Power Generation Poster Session	Ride-through and Stability of Critical Facility Microgrids Connected to Weak Power Systems	26PESGM001412	Luis Montoya, Francisco Matos, Ashwin Venkataramanan, Souvik Chandra, Iqbal Husain and Edward Buck
1034	White - Energy Conversion	Energy Development and Power Generation Poster Session	Adaptive Model Predictive Control-Based Power Management for Fuel Cell–Battery–Supercapacitor Systems in More-Electrified Aircraft	26PESGM001554	Morad Yazdani, Navid Vafamand, Siavash Yari, Akhtar Hussain and Innocent Kamwa

1035	White - Energy Conversion	Energy Development and Power Generation Poster Session	Experimental Multi-site Testbed for Advanced Control and Optimization of Hybrid Energy Systems	26PESGM001575	Arash Omidi, Tanmay Mishra and Mads Almassalkhi
1036	White - Energy Conversion	Energy Development and Power Generation Poster Session	Technical Perspectives on Voltage Ride-Through Requirements in IEEE Std 2800-2022: Clarifications and Recommendations for Improvement	26PESGM001596	Manish Patel, William Baker, Jonathan Glidewell and Kevin Dowling
1037	White - Energy Conversion	Energy Development and Power Generation Poster Session	A Reactive Power Control Algorithm with Current Limitation in the abc-Frame for Inverter-Based Distributed Energy Resources	26PESGM001616	Aldo M. Rizo, María M. Mantilla and Juan M. Rey
1038	White - Energy Conversion	Energy Development and Power Generation Poster Session	RE-INTEGRATE EMT Simulation: Input Data Structures for Inverter-Based Systems	26PESGM001623	Shamim Hasan, Peter Hoang, Phani R V Marthi and Suman Debnath
1039	White - Energy Conversion	Energy Development and Power Generation Poster Session	CHIL Validation to Commercialize a Networked Microgrid Controller	26PESGM001755	Maximiliano Ferrari, Guodong Liu and Jonathan Lee
1040	White - Energy Conversion	Energy Development and Power Generation Poster Session	A Multi-State Adaptive Virtual Impedance Controller for Fault-Responsive Heterogeneous Parallel GFMs	26PESGM001914	Sandipan Patra and Shafi Khadem
1041	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	A Grid-forming Control Method For DFIG Based on the Grid-side Converter	26PESGM000047	Yong Sun, Baoju Li, Jiajun Zhang, Yuwei Cheng, Wenchuan Wu, Chenhui Lin and Guannan Wu
1042	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Quantifying the Complementarity of Wind Turbines and Distributed Photovoltaics for Coordinated Primary Frequency Control	26PESGM000051	Songyan Zhang, Di Liu and Chao Lu
1043	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	A Manifold-Based ADMM Framework for Mixed-Integer Unit Commitment Problems	26PESGM000056	Yunhe Li, Wenchuan Wu, Chenhui Lin and Qi Wang
1044	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Co-design of Regular Layout and Mooring Systems for Floating Offshore Wind Farms on Complex Seabed	26PESGM000186	Zehai Huang, Boan Lu, Renshen Tan and Xinwei Shen
1045	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Cyber-Resilient Strategy for Coupled Electric-Heating Distributed Energy Systems Management under Coordinated False Data Injection Attacks	26PESGM000197	Jiyuan Li, Xinyue Chang, Yixun Xue, Xiao Fan and Hongbin Sun
1046	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Intelligent Coordinated Scheduling of Mobile Energy Storage Systems for Power Grid Operation Driven by Large Language Models	26PESGM000340	Jiawei Wang, Haotian Zhao, Qinglai Guo and Hongbin Sun
1047	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Learning to Reduce Data Center Carbon Emissions via Forecast-Integrated Workload Scheduling	26PESGM000382	Amirhossein Sohrabbeig, Omid Ardakanian and Petr Musilek
1048	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Security Assessment of Integrated Energy Systems Considering Multi Timescale Dynamics and Multiple Coupled Fault Types	26PESGM000490	Minghao Zhang, Haotian Zhao and Qinglai Guo
1049	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Transmission Hardening Planning Against Extreme Weather Events Considering Cyber-Physical Interdependence	26PESGM000711	Haitao Xu, Haotian Zhao, Hongbin Sun and Qinglai Guo
1050	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Dynamic-Confidence-Level Chance-Constrained Voltage Control of Active Distribution Networks	26PESGM000785	Gong Cheng, Lin Chenhui, Jiang Yunpeng, Wu Guannan, Wu Wenchuan and Yang Yue
1051	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Quantum-Computing-Inspired Probabilistic Power Flow Calculation in Renewable-Rich Systems	26PESGM001406	Zhen Xu, Zhiyi Li, Xutao Han and Yue Xu
1052	White - Energy Conversion	Energy Internet Coordinating Committee Poster Session	Determination of Transmission Latency for Two Internet of Things Architectures in Digitalization of Distribution Networks	26PESGM001486	Jonatas Leite and Wilson Enrique Chumbi

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2001	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	A Data-Driven Robust Optimal Power Flow Method for An Islanded Microgrid with Droop Control	26PESGM000111	Cuo Zhang, Xiao Liu, Fan Huang and Jianguo Zhu
2002	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Annual Peak Load Forecasting for Distribution Feeders Using AMI Data and LSTM	26PESGM000507	Jongchan Choi, Jin Dong, Ben Ollis, Jamie Lian, Samuel Levinson, Jeremy Keen and Thomas Bowen
2003	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Promoting Load Forecast Sharing: A Cost-Oriented Coalition Game Approach	26PESGM000560	Lingfeng Tang, Haipeng Xie, Dongrui Quan and Zhaozhong Bie
2004	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	A Day Ahead Market Bid-Aware Joint Forecasting Method for Photovoltaic-Energy Storage System	26PESGM000855	Chenghan Li, Xuan Wei, Yinliang Xu, Jinfeng Wang and Jeremy Watson
2005	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Genetic Algorithm-Enhanced Power-Based Branch Refinement for Voltage-Based Topology Identification in Low-Voltage Grids	26PESGM001115	Franziska Tischbein, Nina Stumberger, Maik Stürmer, Corvin Starkulla and Andreas Ulbig
2006	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Hierarchical Deep Reinforcement Learning Framework for Short-Term Solar Forecasting	26PESGM001180	Meng Liu and Siqi Bu
2007	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Substation-Level Carbon Emission Forecasting for EV-Rich Distribution Systems via Multimodal LLM-Embedded Neural Networks	26PESGM001234	Zixuan Zhu, Ruoheng Wang, Hongyi Xu, Chenxuan Zhang, Yu Sheng and Siqi Bu
2008	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	An LLM-guided Moving Target Defense Framework For Virtual Power Plants	26PESGM001336	Juanwei Chen, Jun Yan, Anthony Kemmeugne, Mohsen Ghafouri, Mourad Debbabi and Marthe Kassouf
2009	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	A Family of Probabilistic Load Forecasters That Scales to Massive Customers	26PESGM001337	Haoran Li, Zhe Cheng, Muhao Guo, Yang Weng, Yunnan Sun, Victor Tran and John Chainaranont
2010	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Deep Learning based Equivalent Electromagnetic Transient Model for Distribution Feeders with High Penetration of Distributed Energy Resources	26PESGM001648	Zheyuan Cheng, Srinidhi Narayanan, Bin Wang, Bradley Marszalkowski, Slava Maslennikov, Mingguo Hong, Qiang Zhang, Juergen Holbach, Xiaochuan Luo and Tongxin Zheng
2011	Red - Power Systems	(AMPS) Big Data Analytics Poster Session	Fine-Tuning LLMs to Generate Economical and Reliable Actions for the Power Grid	26PESGM001885	Mohamad Chehade and Hao Zhu
2012	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	A Data-Efficient Method for Predicting Stability in Converter-Dominated Power Systems Under Various Operating Conditions	26PESGM000454	Md Pabel Sikder, Tomi Perttula, Janne Seppänen and Mahdi Pourakbari-Kasmaei
2013	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Bus Type Switching to Reduce Bound Violations in AC Power Flow	26PESGM000524	Anna Van Boven and Kyri Baker
2014	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Practical Evaluation of Quantum-Based Grid Partitioning for Parallel Simulation	26PESGM000556	Carsten Hartmann , Arnau Chaparro Arimon, Junjie Zhang, Thiemo Pesch, Carlos D. Gonzalez Calaza and Andrea Benigni
2015	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Harnessing Flexible Spatial and Temporal Data Center Workloads for Grid Regulation Services	26PESGM000701	Yingrui Fan and Junbo Zhao
2016	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	An Adaptive Resolution Power Flow Algorithm using Graph Signal Processing	26PESGM000838	Luke Lowery and Adam Birchfield
2017	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Volatile Market Adaptive Forecaster: Online Learning Framework for Wholesale Market Price Forecasting with Similar Day Classification	26PESGM000864	Kang Hyeok Heo, Yoonhan Jeong, Hyoseop Lee and Seung Wan Kim
2018	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Zero-Shot Power System Anomaly Detection and Mitigation Using Large Language Models	26PESGM001058	Saleh Sadeghi Gougheri and Wei Sun
2019	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Multilayer Perceptron-Based Volt/Var Droop Control with Harmonic Impact Analysis <br clear="all">	26PESGM001100	Wonyoung Choi and Insu Kim
2020	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Privacy-Preserving Electric Vehicles Charging Simulation via Large-Language-Model-Guided Context-to-Behavior Probabilistic Synthesis	26PESGM001286	Hongyi Chen, Ziming Yan, Zhenyuan Du and Yan Xu
2021	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Dynamic State Estimation for Virtual Synchronous Generator: A Comparative Study of EKF and UKF	26PESGM001373	Zixiang Ming and Yongli Zhu
2022	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Holomorphic Embedding Model for Tracking Voltage Security Region Boundary of Power Systems	26PESGM001387	Menglei Zhi, Xue Li, Tao Jiang and Rufeng Zhang
2023	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Efficient Gradient-Based Optimization for Joint Layout Design and Control of Wind Turbines	26PESGM001583	James Kotary, Natalie Isenberg and Draguna Vrabie
2024	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	A SISA-based Machine Unlearning Framework for Power Transformer Inter-Turn Short-Circuit Fault Localization	26PESGM001646	Nanhong Liu, Jingyi Yan, Mucun Sun and Jie Zhang

2025	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Data-driven Koopman Operator-based Solution of AC Power Flow under Uncertainty	26PESGM001709	Subhrajit Sinha, David-Barajas Solano and Feng Pan
2026	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	RE-INTEGRATE EMT Simulation Software: Distributed Parallelism for BBD Solver Using Multiple GPUs and Streams	26PESGM001714	Huu Phuong Hoang, Rahul Mishra, Harry Hughes, Suman Debnath, Sri Kainkaryam, Pavel Dimitrov and Ahsan Yousufzai
2027	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Quantum Three-Phase Power Flow Integrating Unbalanced Grid-Forming IBRs	26PESGM001805	Kamini Shahare, Fei Feng, Yacov Shamash and Peng Zhang
2028	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	A Nonlinear Admittance-based Holomorphic Embedding Method for Power Flow Calculation	26PESGM001859	yongjian luo, chengxi liu and zaiyu He
2029	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Assessing Passivity and Voltage-Stiffness of Grid-Forming Inverters via Black-Box Impedance	26PESGM001877	Sohail Ali, Dang Nguyen, Jingzhe Xu, Mohammed Ravanji, Mehdi Dozein and Behrooz Bahrani
2030	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Assessing Power Flow Controllability via Variable Line Reactance	26PESGM001898	Eric Haag, Yuhao Chen, Giri Venkataramanan and Manish Singh
2031	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Optimal Singular Perturbation-based Model Reduction for Heterogeneous Power Systems	26PESGM001901	Yue Huang, Dixant Sapkota and Manish Singh
2032	Red - Power Systems	(AMPS) Computer Analytical Methods Poster Session	Lipschitz Regularized Interval Estimation for Optimal Power Flow Reachability	26PESGM001936	Gaoyuan Xu and Peng Zhang
2033	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	ADMM-Based Distributed Linear State Estimation for Large-Scale Interconnected Power Systems	26PESGM000005	Mohammad Razeghi-Jahromi
2034	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	A Graph based Kolmogorov Arnold Hybrid Network for Distribution System State Estimation	26PESGM000260	Tao Xu, Ning Yang and Rujing Wang
2035	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Optimal Droop Control of ESS Using Quasi-Static Time-Series Simulation in Islanded Microgrids	26PESGM000345	Hyeonseong Mun and Surya Santoso
2036	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Topology Switching as Proactive Agility Against Adversarial Cyberattacks	26PESGM000389	Mohammad Zakaria Haider, Muhammad Nadeem and Mohammad Ashiqur Rahman
2037	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Distributed Multi-Period OPFs for Energy Storage in Distribution Systems via Temporal Approximation	26PESGM000522	Rabayet Sadnan, Nathan Gray and Di Wu
2038	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	A Probabilistic Load Margin Assessment Method for Active Distribution Networks	26PESGM000831	Liu Yunxin, Yao Liangzhong, Sheng Wanxing, Deng Jinglei, Liao Siyang and Liu Keyan
2039	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Resilience-Oriented Multi-Objective Optimization of PV and EV Charging Deployment in Unbalanced Distribution Networks	26PESGM000898	Fariba Amini and Petr Musilek
2040	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Multi-Conductor Flexible Universal Branch Model for Efficient Hybrid AC/DC Power System Load Flow Computation	26PESGM000930	Riley Lawson, Hongbo Sun, Shunsuke Kawano, Arvind Raghunathan and Yusuke Takaguchi
2041	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Image-based and GIS-assisted Approach for Mapping and Scoring Vegetation Encroachment in Power Distribution Systems	26PESGM000963	Nelson Rodrigues, Luiz Ferro, Walmir Freitas and Fernanda Trindade
2042	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	N-1 Security Analysis of the Snow-Shaped Distribution Network Based on Analytical Expression of Transfer Capability	26PESGM000986	Fengzhang Luo, Ranfeng Mu, Xuan Wu, Zhe Wang and Lukun Ge
2043	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Unified Bayesian State Estimation for Distribution Networks with DERs under Low Observability and Heterogeneous Sampling	26PESGM001000	Sipeng Luo, Tianyang Zhao, Gengfeng Li and Zhaozhong Bie
2044	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Economic Evaluation of Three-Phase Imbalance Mitigation Considering Optimal ESS Sizing in Distribution Systems	26PESGM001031	Donghyun Yoon, Dongwon Lee and Jaesung Jung
2045	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Droop Integrated Distribution Grid Power Flow	26PESGM001173	Aashutosh Neupane and Sumit Paudyal
2046	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Distribution System State Estimation via Behavioral Modeling of Distributed Energy Resources	26PESGM001189	Muneeb Sheikh, Himani Mattoo and Sreenath J G
2047	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	An Ultra-fast Analytical Approach for Voltage Drop Estimation in Low-Voltage Feeders	26PESGM001289	Yiwei Hu, Yuetong Li, Bohan Li, Hua Pang, Nigel Turvey and Furong Li
2048	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Weakly-Supervised and Physics-Guided State Estimation for Distribution Networks	26PESGM001420	Jiachen Jiang, Zhi Wu, Wei Gu, Xiao Zhang and Yiquan Li
2049	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Impact Analyses of Residential Electric Vehicle Charging on Distribution Networks	26PESGM001519	Feng Li and Marc Belletete
2050	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Studying a Two-Stage Robust Optimization Maximal Load Delivery (MLD) Framework on a Large-Scale Distribution System	26PESGM001545	Irfan Ullah, Karen Butler-Purry and Harsha Nagarajan

2051	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Harmonic Distortion Effects on Low-Voltage Distribution Transformers under Rising EV and Nonlinear Load Penetration	26PESGM001768	Fayezeh Mahmoudnezhad, Araceli Hernandez and Pablo Rodriguez-Pajaron
2052	Red - Power Systems	(AMPS) Distribution System Analysis Poster Session	Distribution System Congestion Management Under Various Utility-Aggregator Coordination Architectures	26PESGM001919	Prudhviraj Dhanapala, Kiran Kumar Challa, Kumarsinh Jhala and Balasubramaniam Natarajan
2053	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	LLM-driven Hyperparameter Optimization Framework for Capacity Expansion Planning Models	26PESGM000041	Andres Lopez, Cody Newlun, Dilip Pandit, Tim Wilcox, Atri Bera and Tu Nguyen
2054	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Knowledge-Guided Deep Learning Scheme for Cross-System Adaptive Power Flow Analysis	26PESGM000135	Yongzhe Li, Lin Guan and Zihan Cai
2055	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Safe On-Policy Deep Reinforcement Learning-based Electric Vehicle Charging Management under Transformer Thermal Stress	26PESGM000244	Zhewei Zhang, Rémy Rigo-Mariani, Nouredine Hadsaid and Yan Xu
2056	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	LAF-Net: A Deep Residual and Cross-Attention Framework for Day-Ahead Load Forecasting	26PESGM000460	Zhenlong Jiang, Arezou Ghesmati, Adam Simkowski, Long Zhao, Cong Feng, Yonghong Chen and Rui Yang
2057	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Meta-Learning-based Power System Security Assessment under Topology Changes	26PESGM000623	Koji Yamashita and Nanpeng Yu
2058	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	A New Generative AI Approach to Forecast Solar Power in the Presence of Wildfire Smoke	26PESGM000693	Nusrat Subah Subah Binte Shakhawat, Razieh Rastgoo, Rakibuzzaman Shah, Nima Amjadi, S. M. Muyeen and Syed Islam
2059	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Fusion of Multi-Source Data Based on Improved Bayesian Network for Power Grid Anomaly State Identification	26PESGM000722	Yuhao Xie, Yuan Zeng, Junzhi Ren, Chao Qin and Lingxu Guo
2060	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Hierarchical Decomposition and Deep Learning Forecasting for Operational Region Modeling of Flexibility Resources	26PESGM000859	Haiteng Han, Xiangchen Jiang, Zijian Zhou, Bin Shao, Simin Zhang and Chen Wu
2061	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Dual-Branch Variational Autoencoder with Ensemble Learning for Fault Classification in Inverter-Based Resource-Dominated Power Systems	26PESGM000882	Gabrielly Rocha, Shipra Tiwari, Rodrigo Ramos and Flavio Costa
2062	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Prediction of Cascading Failure Size Using a Graph Neural Network with Dynamic Weights	26PESGM000889	Tingwei Chen, Zhenping Guo, Peigong Wang, Kai Sun, Jin Dong and Boming Liu
2063	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Multi-Horizon Short-Term Solar Power Forecasting Using GAN and Neural Network Models	26PESGM001066	Yen-Hsi Chou, Arundhuti Halder and Anderson Rodrigo de Queiroz
2064	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Federated Learning-Based State Estimation for Integrated Transmission-Distribution Networks	26PESGM001576	Anass Akaouche, Jonathan Aviles-Cedeno and José Rueda-Torres
2065	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Attention-Enhanced PPO for Multi-Modal Anomaly Management in Autonomous Microgrids: Handling Sensor Degradation and Cascading Failures	26PESGM001642	Cameron Malone and Sagnika Ghosh
2066	Red - Power Systems	(AMPS) Intelligent Systems Poster Session	Data Driven Evaluation of Inertial Support Distribution in a Heterogeneous Power System	26PESGM001921	JASDEEP KOUR
2067	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Power system resilience against extreme temperatures	26PESGM000312	Svetlana Ekisheva, Christopher Claypool, Donna Pratt and Howard Gugel
2068	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Human-in-the-Loop LLM–Assisted Multi-Agent Framework for Distribution Grid Reliability	26PESGM000354	Mengmeng Zhuang and Andrija Sadikovic
2069	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Linear AC Power-Flow-Based Cascading Failure Model Balancing Accuracy and Efficiency	26PESGM000502	Zhengyang Jin, Jiapeng Li, Le Liu, Xuming Chen, Xiaoning Kang and Yujun Li
2070	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	A Two-Stage Stacked Neural Network Framework for Computational Efficient Reliability Optimization	26PESGM000652	Runze Han, Tianyang Zhao, Gengfeng Li and Zhaohong Bie
2071	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Data-Driven Voltage Prediction for Transient Instability Risk Analysis of Renewable Dominated Power Grids Using Stochastic Spectral Embedding	26PESGM000969	Abdullah Mamun and Yazhou Jiang
2072	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Comparative Reliability Assessment of Subsea Cables and Overhead Lines for Large-Scale Offshore Wind Integration: A Dutch Case Study	26PESGM001037	Hamed Yazdanpanah, Swasti Khuntia and Mart Meijden
2073	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Vulnerability Identification and Risk Tracing for Offshore Wind Power Integrated Power Systems	26PESGM001367	Yunhui Tan, Xiangjing Su, Shiqu Xiao, Jiale Luo, Shuai Yu and Yang Fu
2074	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Transfer Learning-Enabled Real-Time Resilience Assessment for Power Systems	26PESGM001405	Peng Wang, Xue Li and Tao Jiang
2075	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Cost-Based Evaluation of the Risk of Failure Reduction Methods for the Wind Power Plants	26PESGM001490	Guido Andreesen and Jako Kilter

2076	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	An Efficient Optimization Framework Including Mobile Generators for Resilience-Oriented Long-Term Planning	26PESGM001547	Emanuele Ciapessoni, Diego Cirio and Andrea Pitto
2077	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	POWERED III: Predictive Modeling of Transformer Outages Using Power Quality Data <br clear="all">	26PESGM001582	Andrew Strelzoff, Sanja Cvijic, Nathan Peterson and Harold Sanborn
2078	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Topology and Voltage Aware Fragility and Data-Driven Risk Modeling of Distribution Feeders	26PESGM001724	Apsara Adhikari, Charlotte Wertz, Anamika Dubey, Arslan Ahmad and Ian Dobson
2079	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Electric Power Resilience Metrics for Grid-Tied Military Installations	26PESGM001773	Nicholas Barry, Aaron St. Leger and Todd Davidson
2080	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Using Electric Vehicle Charging Load Elasticity To Augment Grid Reliability Indices	26PESGM001846	Nipun Popli, Dhananjay Anand, Casey Quinn, John Smart and Timothy McJunkin
2081	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Two-Stage Optimization for Dynamic Line Rating and Energy Storage Deployment	26PESGM001896	Abanish Tiwari, Phurba Sherpa, Chandan Chaudhary, Mohammed Benidris and Joydeep Mitra
2082	Red - Power Systems	(AMPS) Reliability and Risk Analysis Poster Session	Behavioral–Environmental Interaction Modeling for Enhanced Voluntary Load Reduction Prediction	26PESGM001905	Nirasha Bataduvaarachchi and Visvakumar Aravinthan
2083	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Evaluation and Intelligent Enhancement of Transient Rotor Angle Stability Index for Power-Electronics-based Power System	26PESGM000113	Tao Li and Chen Shen
2084	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Numerical Average-Value Model of Voltage-Source Converters with Overmodulation and Duty-Cycle Limit	26PESGM000357	Md Jobayead Hossan, Seyyedmilad Ebrahimi and Juri Jatskevich
2085	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Impedance-based Root Cause Analysis and Grid-Side Damping of a Converter Driven Low-Frequency Oscillation in a High-IBR Grid	26PESGM000434	Sungjun Kim, Chongho Rhim, Seokju Kang and Kyeon Hur
2086	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Singular Perturbation -Based Model Order Reduction and Accuracy Analysis of Matching Control Grid-Forming Converter	26PESGM000437	Feng Wu, Pan Feng, Zhen Tian, Meng Huang, Yushuang Liu, Xiaoming Zha, Xiang Si and Xiancheng Ren
2087	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Analytical Design of a Numerical Stabilizer for V-ITM Power Hardware-in-the-Loop Applications	26PESGM000547	Lucas Braun, Raphael Fröh, Michael Suriyah and Thomas Leibfried
2088	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	A Practical Method for Constructing Dynamic Security Region Based on Maximum Lyapunov Exponent Criterion	26PESGM000558	Yuan Zeng, Yuhui Ma, Junzhi Ren, Pei Zhang and Xikai Liu
2089	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Guidelines for Use of Standardized DLL Interfaces for Real-Code in Simulation Models	26PESGM000571	Garth Irwin and Deepak Ramasubramanian
2090	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	PHIL Interface Evaluation in Data Center Application	26PESGM000580	Jalat Dadkhah, Yi Qi and Yi Zhang
2091	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	A Physics-Informed Evaluation Method for Improving the Accuracy of Single PMU Center of Inertia Frequency Estimation	26PESGM000716	Yukai Wang, Jumpei Baba and Junji Kondoh
2092	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Enhancing Transient Stability with Synchronous Condensers under High Offshore Wind Penetration in the New York State Grid	26PESGM000742	Le Minh Vu, Quang-Manh Bui, Jianhua Zhang, Tony Vu and Thomas Ortmeier
2093	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Transient Stability Analysis of Mixed GFM-GFL Inverter System Based on Contraction Theory	26PESGM000824	Yingyi Tang, Junbo Zhao and Baosen Zhang
2094	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Full Fault-chain Simulation Study of AC/DC Hybrid Power Grids Considering Sourc-load Meteorological Common-Mode Effects	26PESGM000844	Yi Wang, Zongxiang Lu, Ying Qiao, Xiaobo Wang, Dandan Zhu and Shengjun Wu
2095	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Comparison of Fault-Location Techniques for Submarine Export Cables in Offshore Wind Farms	26PESGM000934	Adrian Diaz Sarmiento, Jaimis Leon Colqui, Jose Pissolato Filho and Flavio Bezerra Costa
2096	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Impact of Concrete-Encased Electrodes on Lightning Performance of Grounding Systems	26PESGM000935	Walter Luiz Manzi de Azevedo, José Luciano Aslan D'Annibale, Wagner Costa da Silva, Anderson Ricardo Justo de Araujo and José Pissolato Filho
2097	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Beyond Energy Functions and Numerical Integration: A New Methodology to Determine Transient Stability at the Initial State	26PESGM001087	Wenhao Wu, Dan Wu, Bin Wang and Jiabing Hu
2098	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Transient Stability Assessment of Power Systems Based on Transformer and Graph Attention Network	26PESGM001089	Shengyuan Wang, fengzhang luo, zhengyang xu, Chao Pang and Lukun Ge
2099	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Hybrid Phasor-EMT Simulation of High-IBR Penetration Power System: The ISO-NE Experience	26PESGM001111	Xingyu Zhao, Jason Ploof, Xinghao Fang, Bin Wang and Junbo Zhao
2100	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Admittance-Based Aggregated Modeling for Resonance Analysis of Multi-Converter Systems in Nodal-Based EMT Simulators	26PESGM001632	Arash Safavizadeh, MohammadSadeqh KhajueeZadeh, Seyyedmilad Ebrahimi and Juri Jatskevich
2101	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	Modeling Internal Faults in Three-Winding Autotransformers Using the Terminal Duality Method	26PESGM001728	Meysam Ahmadi, Ali Dehkordi, Dong Li and Yi Zhang

2102	Red - Power Systems	(AMPS) Transient Analysis and Simulation Poster Session	A Novel Centralized Remote Power Smoothing Architecture Incorporating Local Smoothing Compensation	26PESGM001915	Abdallah Hassan, Hany Farag, Elyas Ahmed, Daniel Sohm and Ismael El-Samahy
2103	Red - Power Systems	Power & Energy Education Poster Session	Smart Home: Interactive Demonstration Tool for Engineering Education and Outreach <br clear="all">	26PESGM000212	Madison Koester, Julian Chavez, Kyler Crain, Arun-Kaarthick Manoharan, Mehnaz Tabassum and Visvakumar Aravinthan
2104	Red - Power Systems	Power & Energy Education Poster Session	Multi-Task Learning for Short-Term Load Forecasting Using State Transfer in Autoencoder-LSTM	26PESGM000685	Ali Forootani and Hamidreza Zareipour
2105	Red - Power Systems	Power & Energy Education Poster Session	Data-Driven EV Charging Load Profile Estimation and Typical EV Daily Load Dataset Generation	26PESGM001214	Linhan Fang, Jesus Silva-Rodriguez and Xingpeng Li
2106	Red - Power Systems	Power & Energy Education Poster Session	The Internalize-Reference-Delegate (IRD) Framework for AI in Power Systems Education	26PESGM001215	Hantao Cui and Kevin Tomsovic
2107	Red - Power Systems	Power & Energy Education Poster Session	A Spice Circuit Emulator-based Transient Simulation Tool with Automatic Script-Generation	26PESGM001278	Zilin Li and Yongli Zhu
2108	Red - Power Systems	Power & Energy Education Poster Session	Virtual Reality Framework for Frequency Security and State of Health Monitoring in Microgrids	26PESGM001313	Samip Poudel, Pallavi Ghimire, Anurag Mohapatra, Astha Rai, Raymond H. Byrne, Hepeng Li, Donald Hummels and Reinaldo Tonkoski
2109	Red - Power Systems	Power & Energy Education Poster Session	Virtual Reality&Augmented RTDS-Based Digital Twin for Power Grid Operator Training	26PESGM001315	Khoa Nguyen Nguyen, Milad Beikbabaee and Ali Mehrizi-sani
2110	Red - Power Systems	Power & Energy Education Poster Session	A Water-Carbon Sustainability Framework for 24/7 Carbon-Free AI Datacenter Siting in the U.S.	26PESGM001928	Arif Ahmed
2111	Red - Power Systems	Power System Dynamic Performance Poster Session	Voltage-Induced Frequency Disturbance Analysis Considering Fault Type and Network Location	26PESGM000114	Jie Song, Mehdi Ghazavi Dozein and Jef Beerten
2112	Red - Power Systems	Power System Dynamic Performance Poster Session	Analysis and Damping Enhancement Method for Air Conditioning Load Recovery in Weak Power Grid	26PESGM000119	Bowen Zheng
2113	Red - Power Systems	Power System Dynamic Performance Poster Session	Impedance Model Domains for the Stability Analysis of Multi-Inverter-Based-Resources Systems	26PESGM000182	Keijo Jacobs, Renan M. Furlaneto, Dabeaurard Tho, Nasim Rashidirad, Antoine Lesage-Landry and Jean Mahseredjian
2114	Red - Power Systems	Power System Dynamic Performance Poster Session	System Strength Sensitivity to Power Flow Perturbations in AC Power Systems with Inverter-based Resources	26PESGM000215	Trager Joswig-Jones, Shuan Dong, Baosen Zhang and Jin Tan
2115	Red - Power Systems	Power System Dynamic Performance Poster Session	Explainable Eigenvalue-Based Identification of Inverter Dynamics	26PESGM000336	Hanshan Qing, Abhinav Kumar Singh and Efstratios Batzelis
2116	Red - Power Systems	Power System Dynamic Performance Poster Session	Practical Wide-Area Measurement-based Power Oscillation Damping Tool with Adaptability	26PESGM000381	Haozong Wang, Lin Zhu, Yi Zhao, Wenpeng Yu, Yilu Liu, Evangelos Farantatos, J. Ritchie Carroll and Christoph Lackner
2117	Red - Power Systems	Power System Dynamic Performance Poster Session	Vertical Capacity Allocation in Inverter-Dominated Grids: Stability and Resilience Trade-Offs	26PESGM000397	Ailén Kreizer, Julius Frerk, Michael Popp and Markus Zdrallek
2118	Red - Power Systems	Power System Dynamic Performance Poster Session	Stability Analysis of Grid-Following and Grid-Forming Converters Connected to Generators	26PESGM000451	Alessandra Casiraghi, Marzio Barresi and Samuele Grillo
2119	Red - Power Systems	Power System Dynamic Performance Poster Session	Generalized grid-forming droop control for three-wire connection	26PESGM000587	Prajwal Bhagwat and Dominic Groß
2120	Red - Power Systems	Power System Dynamic Performance Poster Session	Stability Region Estimation of Grid-Forming IBRs With Direct Current Limiters Via Energy Function	26PESGM000595	Mohammad Ali Dashtaki, Ziang Zhang, Debjyoti Chatterjee, Brian Johnson and Hsiao-Dong Chiang
2121	Red - Power Systems	Power System Dynamic Performance Poster Session	Unified Energy-Forming Framework for MMCs: Seamless GFL/GFM Transition via Internal Energy	26PESGM000619	Jeehoon Lee and Kyeon Hur
2122	Red - Power Systems	Power System Dynamic Performance Poster Session	Evaluating the Impact of a Load Admittance Approximation in Transient Stability-Constrained Optimal Power Flow	26PESGM000634	Alex da Cunha Coelho, Araceli Hernández Bayo and Luis Badesa Bernardo
2123	Red - Power Systems	Power System Dynamic Performance Poster Session	Power Plant Controller Compliance and Validation via Hardware-in-the-Loop	26PESGM000644	Seyedehniloofar Kamalhosseini, Timo Wagner, Eckart Brackenhauer, Ilya Burlakin, Gert Mehlmann and Matthias Luther
2124	Red - Power Systems	Power System Dynamic Performance Poster Session	Efficient Solution for System Frequency Security-Constrained Optimization via Combined Smooth Approximation and Trajectory Sensitivity	26PESGM000723	Shuaishuai Feng, Deping Ke, Xiaojie Pan, Jian Xu and Siyang Liao
2125	Red - Power Systems	Power System Dynamic Performance Poster Session	Real-Time Detection of Distribution System Disruptions via Dynamic Power Quality Metrics	26PESGM000789	Afsaneh Ghanavati, Sam Baliki, Umair Zia, Aleksandar Stankovic and Hanoch Lev-Ari
2126	Red - Power Systems	Power System Dynamic Performance Poster Session	Transient Synchronization Stability Analysis of Multi-VSC System Based on CTLDNN	26PESGM000834	Ke Wang, Shuang Feng, Yue Wu, Han Cui, Yi Tang and Jiaying Lei

2127	Red - Power Systems	Power System Dynamic Performance Poster Session	Enhanced Impedance-based Oscillatory Stability Assessment in Converter-dominated Power Systems	26PESGM000868	Daniël Hendriksma, Maria Camila Castrillon Franco and Jose Luis Rueda Torres
2128	Red - Power Systems	Power System Dynamic Performance Poster Session	Stability Enhancement of Multi-Infeed HVDC Systems Using Grid-Forming Control under Weak Grid Conditions	26PESGM000880	Muhammad Fawad, Akansha Garg, Mohamed Galeela, Chuanyue Li and Jun Liang
2129	Red - Power Systems	Power System Dynamic Performance Poster Session	A Hybrid Causal Discovery Approach for Stability-Oriented Critical Contingency Selection	26PESGM000943	Amir Esmaeili Nezhad, Reza Cheshomi and Mojdeh Khorsand
2130	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Phase Wave Propagation and Stability Characteristics in Interconnected Microgrids: A Continuum Modeling Perspective	26PESGM000956	Jiangbei Han, Xuzhu Dong, Chengxi Liu, Yongjian Luo and Lei Shang
2131	Red - Power Systems	Power System Dynamic Performance Poster Session	Wide Adoption of Grid-Forming Inverters and Their Impact on a Power Grid: A Case Study of the ERCOT Grid	26PESGM001009	Amro Quedan, Hamzeh Davarikia, Mehdi Daryabak, Yunzhi Cheng and Shun-Hsien (Fred) Huang
2132	Red - Power Systems	Power System Dynamic Performance Poster Session	Optimizing Grid-Forming Controls using Relay-based Extremum Seeking to Enhance Transient Performance	26PESGM001075	Kyung-bin Kwon, Min Gyung Yu, Sayak Mukherjee and Timothy Salsbury
2133	Red - Power Systems	Power System Dynamic Performance Poster Session	Design of a 1-GW Offshore Wind Farm Test System Based on a Separately Aggregated Feeder Model	26PESGM001114	Bruno França, Dragan Jovcic and Jean Mahseredjian
2134	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Load Behavior During Power Restoration: An Aggregated Modeling Approach	26PESGM001127	Johanna Timmermann, Carolin Vogel, Xinyu Liu, Reinaldo Tonkoski and Rolf Witzmann
2135	Red - Power Systems	Power System Dynamic Performance Poster Session	Analysis of DC Voltage Ripple in Grid-Connected Inverters under Unbalanced Disturbances in Weak Grids	26PESGM001198	Mingyuan LIU, Chengxi LIU and Zhaoming Liu
2136	Red - Power Systems	Power System Dynamic Performance Poster Session	Unified Framework for Stability Analysis and Controller Design for Multi-Converter MVDC Grids	26PESGM001203	Navid Rahbariasr, Wes Pennington and Matthias Preindl
2137	Red - Power Systems	Power System Dynamic Performance Poster Session	Synthetic Point-on-Wave Dataset for Benchmarking Subsynchronous Oscillation Source Localization Techniques	26PESGM001274	Pablo Gill Estevez, Slava Maslennikov and Bin Wang
2138	Red - Power Systems	Power System Dynamic Performance Poster Session	Automatic tuning of grid forming controls considering passivity and dynamic performance	26PESGM001312	Eros Avdiar, Matteo Rossini and Jef Beerten
2139	Red - Power Systems	Power System Dynamic Performance Poster Session	Contingency Analysis of Embedded HVDC Lines Operating under AC Line Emulation Control Mode	26PESGM001323	Mohtarima Begum Medha, Luigi Vanfretti, Supriya S. Tawde, Jason Frasier and Pradip Kumar
2140	Red - Power Systems	Power System Dynamic Performance Poster Session	Locating Control-Induced and Electromechanical Oscillations in a Modern Power System: Case Studies from India Grid	26PESGM001351	Karan Katariya, Subhash Kumar, Aman Gautam, Sajan George, Deepak Pullaguram and Ashok Kumar Pradhan
2141	Red - Power Systems	Power System Dynamic Performance Poster Session	Energy-Like Stability of Interconnected Grid-Forming Inverters with Potential-Sensitive Virtual Inertia	26PESGM001392	Yu Zhang, Xiao-Kang Liu, Feng Xiao and Yan-Wu Wang
2142	Red - Power Systems	Power System Dynamic Performance Poster Session	Ill-Conditioned Power Flow Analysis Using a Quantized State-Based Approach	26PESGM001444	Liya Huang, Federico Milano and Georgios Tzounas
2143	Red - Power Systems	Power System Dynamic Performance Poster Session	Impedance-based stability analysis and comparison of different grid-forming control approaches	26PESGM001500	Alexander Bisseling, Pascal Weber, Philipp Frank, Joschua Moser, Michael Suriyah and Thomas Leibfried
2144	Red - Power Systems	Power System Dynamic Performance Poster Session	Understanding Small-Signal Grid Strength and Its Implication on Sub-/Supersynchronous Stability Risks	26PESGM001501	Yonggang Zhang, Abdalrhman Hamad Fakhouri and Hongyu Jin
2145	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Connectivity and Local Frequency Strength under Stochastic Variations	26PESGM001505	Bruno Pinheiro and Daniel Dotta
2146	Red - Power Systems	Power System Dynamic Performance Poster Session	Accuracy-ensured Impedance Scanning: Error Analysis on Frequency Step and Perturbation Amplitude	26PESGM001578	Yang Zhu, Siqi Bu and Ilhan Kocar
2147	Red - Power Systems	Power System Dynamic Performance Poster Session	Impact of Virtual Admittance-Based Grid-Forming Control on Distance Protection	26PESGM001633	Shipra Tiwari, Adrian Diaz Sarmiento, Jose Pissolato Filho and Flavio B.Costa
2148	Red - Power Systems	Power System Dynamic Performance Poster Session	Fault Ride-Through Performance of Electrolyzers with Partial Load and Ramp Rate Limitations	26PESGM001737	Manuel Agredano-Torres, Ridma Wijethunga, Supun Meethiyagoda, Behrooz Bahrani, Mehdi Ghazavi Dozein and Qianwen Xu
2149	Red - Power Systems	Power System Dynamic Performance Poster Session	Coordinated Transient Load Sharing in a Mixed GFM/GFL Microgrid	26PESGM001777	Caroline Larsen, Ali Mehrizi-Sani and Mahmoud Kaban
2150	Red - Power Systems	Power System Dynamic Performance Poster Session	Dynamic Modeling of Load Demand in Electrified Highways Based on the EV Composition	26PESGM001786	Ashutossh Gupta, Vasilis Kekatos, Dionysios Aliprantis and Steve Pekarek
2151	Red - Power Systems	Power System Dynamic Performance Poster Session	A Room-Temperature Quantum-Secured ROCOF for Enhancing Grid Reliability	26PESGM001835	Ruoyan Fan, Zimin Jiang, Yacov Shamash and Peng Zhang
2152	Red - Power Systems	Power System Dynamic Performance Poster Session	Protection Hardware-in-the-Loop Validation for Inverter-Dominated Transmission Systems of Hawai'i Island	26PESGM001837	Abhishek Banerjee, Zerui Dong, Swen Elpelt, Bimal Pandey, Ulrich Muenz and Aditya Ashok

2153	Red - Power Systems	Power System Dynamic Performance Poster Session	FPGA-Based Real-Time Simulation of Microgrids with a State-Space Splitting Approach	26PESGM001927	Xiaopeng Fu, Jiaming Wang, Peng Li, Jiang Yu and Chengshan Wang
2154	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Digital-Physical Hybrid Simulation for Demand Response Analysis of Copper Electrorefining Processes	26PESGM000048	Yuze Zhao, Zhaonan Zhang, Xiandong Xu, Yide Han, Xiaodan Yu, Hongjie Jia, Lidong Zhang and Changpeng Song
2155	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Implementation and Evaluation of a Unified Grid Forming-Following Controller for BESS-IBR Systems	26PESGM000144	Yi Qi, Jalal Dadkhah, Yi Zhang, Aniruddha Gole, Luo Liu and Kaustav Dey
2156	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	DER Allocation without Load Prediction via Reinforcement Learning	26PESGM000191	Abed AlRahman Al Makdah, Aravind Ramana, Shaofeng Zou, Oliver Kosut and Lalitha Sankar
2157	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Causal Feature Selection for Weather-Driven Residential Load Forecasting	26PESGM000209	Elise Zhang, François Mirallès, Stéphane Dellacherie, Di Wu and Benoit Boulet
2158	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	A Global Optimization Framework for Orchestrating Electric Vehicles in Providing Ancillary Services	26PESGM000221	Silvia Iuliano, Hafsa Qamar and Alfredo Vaccaro
2159	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Deep RL-Based Operation of Clustered EV Charging Stations Integrated with PV and Battery	26PESGM000236	Shima Tayefi, Van-Hai Bui and Akhtar Hussain
2160	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	A Model-Free Approach for Dynamic Operating Envelopes Calculation Based on Multi-agent Reinforcement Learning	26PESGM000261	Yuchen Qi, Ye Guo, Yinliang Xu and Zhenjia Lin
2161	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	A Novel Integrated Quantum Computing Approach for Unit Commitment	26PESGM000470	Bing Yan, Junpeng Zhan, Obumneme Umeonwuka, Abraham Ashvil, Tongxin Zheng, Feng Zhao, Dane Schiro, Izudin Lelic, Lefu Maqelepo and Ioannis Giannikopoulos
2162	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Techno-Economic Analysis of Hydrogen Storage Systems in Electricity Markets	26PESGM000493	Yuheng Zhang and Guannan He
2163	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Cycle-Aware Aging Cost Modeling of BESS via Dual Virtual Energy Distribution	26PESGM000609	Jiaxiong Xiang, Ming Zhou, Zhaoyuan Wu and Zhi Zhang
2164	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Price-Responsive Control Strategy for Heat Pump Water Heaters Using Day-Ahead Pricing Schedules	26PESGM000715	Othman Murad, Midrar Adham, Dana Paresa and Robert Bass
2165	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Tempered Christoffel-Weighted Polynomial Chaos Expansion for Resilience-Oriented Uncertainty Quantification	26PESGM000736	Mahsa Ebadat Parast and Xiaozhe Wang
2166	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	A Hierarchical Multi-Agent Deep Reinforcement Learning Framework for Coordinated Logistics-Energy Scheduling in Electrified Seaports	26PESGM000770	Wentao Lv, Yujian Ye, Tianxiang Cui and Goran Strbac
2167	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Investigating Deep Reinforcement Learning Advantages and Response to Different Forecast Error Distribution in Energy Applications	26PESGM000775	Lorenzo Giannuzzo, Francesco Demetrio Minuto, Daniele Salvatore Schiera and Andrea Lanzini
2168	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Dispatch-Routing Optimization of Mobile Energy Storage for Spatiotemporal Arbitrage	26PESGM000828	Mukesh Gautam, Li He, Rakib Hossain, Di Wu and Zhaoyu Wang
2169	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Graph Neural Network-Assisted Methods for Resolving State Estimator Divergence	26PESGM000983	Tuna Yildiz, Ali Abur, Sujit Tripathy, Vikas Singhvi, Patel Mahendra and Jay Dondeti
2170	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Energy-Aware Resilience: An Energy-State-Driven Restoration for Hydrogen-Integrated Power Systems	26PESGM001008	Airin Rahman, Md Moshir Rahman and Wei Sun
2171	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Learning to Compress: Energy-Aware Large Language Model Serving via Adaptive KV Caching	26PESGM001069	Yuanbin Cheng, Zhentong Shao, Nanpeng Yu, Yu Fu and Yue Dong
2172	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Novel Oscillation Suppression Methods for VSC-HVDC Island Sending Systems with Large Photovoltaic Power Integration	26PESGM001177	Yizhen Wang, Xiang Xu, Yirun Ji, Zhiqian Wang, Yixin Zhang and Xinyan Xu
2173	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Deep Learning for Voltage Stability Assessment with Feature Reduction	26PESGM001196	Mohammed Ibraheem and Pirathayini Srikantha
2174	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Optimal Valley-Filling Utilizing Water-Filling Algorithm	26PESGM001216	Kasun Weerasinghe and Pirathayini Srikantha
2175	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Transitioning to Anticipated Energy Demand Levels of Future Power Systems and Preserving Safety, Resilience, and Reliability	26PESGM001223	Alonso Rodriguez
2176	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Optimal Operation of EV Charging Station Integrated Virtual Power Plant with Providing Frequency Regulation Services	26PESGM001228	Xiaotian Liu, Jiawei Zhang and Cuo Zhang
2177	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	GPU-Accelerated Dynamic Programming for Multistage Stochastic Energy Storage Arbitrage	26PESGM001243	Thomas Lee and Andy Sun
2178	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Optimal Preventive Strategies for Transient Voltage Stability with Grid-Forming Wind Integration	26PESGM001245	Behzad Heydari, Seyed Masoud Mohseni-Bonab and Innocent Kamwa

2179	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Loading Pattern Study of Transformer Aging Utilizing Electric Vehicle Demand Flexibility	26PESGM001262	Sangkeun Moon, Byoungwoong An, Moonjong Jang and Jongman Joung
2180	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Data Center Spatiotemporal Flexibility for Enhancing Distributed PV Hosting Capacity with Transformer Reverse Power Flow Limits	26PESGM001281	Shibo Zhou, Zhaoyuan Wu, Ming Zhou, Hao Yue and Bingqing Wu
2181	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Causal Machine Learning Analysis of Long-Duration Energy Storage for Power System Decarbonization Planning	26PESGM001287	Zili Chen, Linyan Yang, Ming Zhou and Zhaoyuan Wu
2182	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Gated Graph Attention Networks for Predicting Duration of Large Scale Power Outages Induced by Natural Disasters	26PESGM001318	Chenghao DUAN, Chuanyi Ji, Anwar Walid and Scott Ganz
2183	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	A Systematic Framework for Grid-Forming Inverter Sizing in Must-Run-Constrained 100% IBR Systems	26PESGM001376	Woo Yeong Choi, Gyeong-Hun Kim and Hye-Won Jo
2184	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Energy Management for Solar-Powered Electric-Bus Charging Station: A Data-Driven Method	26PESGM001413	Xiaoting Wang, Supun Amarathunga, Pasan Gunawardena, Gregory Kish and Yunwei (Ryan) Li
2185	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Grid Inertia Estimation Using Inverter-Based Resource Power Plant Data	26PESGM001421	Huazhao Ding, Rabi Kar, Zhixin Miao and Lingling Fan
2186	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Electrical-Distance-Based Preselection of Candidate Sites for Reactive Power Planning	26PESGM001483	Soupayan Bose, Reinaldo Tonkoski, Rolf Witzmann, Mojtaba Momeni and Jörg Michael Schmidt
2187	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Modeling Coupled Transportation-Power Networks with Heterogeneous Graph Neural Networks	26PESGM001521	Tayab Uddin Wara, Saman Mazaheri Khamaneh, Tong Wu and George Atia
2188	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Do electric vehicle charging policies shape driver behavior? Field evidence from a large university charging network	26PESGM001640	Param Somane, Jeff Myers and Ryan Hanna
2189	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Increases in electric vehicle load flexibility attributable to changes in EV charging policy	26PESGM001690	Param Somane, Jeff Myers and Ryan Hanna
2190	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	VSG Parameters Estimation Using Supervised Deep Learning for Frequency Stability	26PESGM001900	Himanshu Grover, Sumedha Sharma, Innocent Kamwa and Aboubacar Abdou Dango
2191	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Effects of PMU Bias Errors In System Inertia Estimation	26PESGM001920	Demy Alexander, Sachinth Viththarachchige, Praveesh Yoganathan, Arun Manoharan and Visvakumar Aravinthan
2192	Red - Power Systems	PSOPE Technologies & Innovation Subcommittee	Benchmarking Large Language Models for Geomagnetic Disturbance Mitigation in Power Systems	26PESGM001929	Parham Mohammadi and Afshin Rezaei Zare
2193	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Graph approach for observability analysis in power system dynamic state estimation	26PESGM000189	Akhila Kandivalasa and Marcos Netto
2194	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Dynamic state estimation of hybrid systems: Inverters that switch between grid-following and grid-forming control schemes	26PESGM000225	Bukunmi Odunlami and Marcos Netto
2195	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Voltage-Stability-Guided Two-Stage Restoration Strategy for Power Systems with Embedded VSC-HVDC	26PESGM000442	Xingyu Liu, Yiheng Bian, Sibao Wang and Gengfeng Li
2196	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	New Framework for Deploying Grid Forming Services via Triggering Mechanism in the System Support Services Market	26PESGM000477	Louis Goonasekara, Lasantha Meegahapola and Shuo Yan
2197	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	A Data-Driven Semi-Analytic Approach for Optimal Control of Data Centers as Grid-Interactive Loads	26PESGM000480	Elinor Ginzburg-Ganz and Yoash Levron
2198	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	An extended equal-area criterion for transient stability assessment in GFM integrated power systems	26PESGM000485	Yujin Lee, Byungchan Yoo, Jaesung Hwang, Yeuntae Yoo and Seungmin Jung
2199	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	A Hierarchical Architecture for Integrating Dynamic Tie-Line Ratings: Japan's Nationwide Generation Scheduling	26PESGM000536	Shota Watanabe, Masanori Abe, Yoshihito Kinoshita and Jun Yamazaki
2200	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Differentially Private Distributed OPF via ADMM	26PESGM000540	Nivedita Singh, Abheejeet Mohapatra and Sri Niwas Singh
2201	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Sensitivity Analysis of Virtual Synchronous Generator-Based Grid-Forming Inverters under Low Short-Circuit Ratio and Low System Inertia	26PESGM000550	Janith Wijesingha, Lasantha Meegahapola and Xinghuo Yu
2202	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Ride-Through and Delivery Point Study Requirements for High Impact Large Loads in Southwest Power Pool	26PESGM000684	Mostafa Sedighizadeh, Daniel Baker, Jason Davis and Natasha Henderson
2203	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Grid Operational Benefit Analysis of Data Center Spatial Flexibility: Congestion Relief, Renewable Energy Curtailment Reduction, and Cost Saving	26PESGM000945	Haoxiang Wan, Linhan Fang and Xingpeng Li

2204	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Analytical Sensitivity of Locational Customer Directrix Load to Line Capacity for Quantifying Demand Response Contribution to Congestion	26PESGM001039	Yan Meng, Shuyang Shen, Lei Yan, Jiayu Han, Guofeng Wang, Yi Zhang, Yongzhi Zhou and Zuyi Li
2205	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Uncertainty Quantification and Measurement Error Correlation in Linear State Estimation	26PESGM001049	Ginevra Larroux and Dmitry Shchetinin
2206	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Operational Integration of Data Centers into Wholesale Markets: A Power-Trajectory Framework	26PESGM001426	Menghan Zhang, Caisheng Wang and Wenyuan Tang
2207	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Combined use of grid reconfiguration and redispatch in congested power systems	26PESGM001452	Arvid Rolander, Xavier Weiss, Mohammad Reza Hesamzadeh, Emil Hillberg and Lars Nordström
2208	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Security-Constrained Transmission Outage Scheduling and Feasibility Assessment	26PESGM001511	Sujit Tripathy, Blaine Burton, Fan Zhang, Tamer Ibrahim, Mahendra Patel and Robert Entrißen
2209	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Small-Signal Stability-Constrained Optimal Power Flow Using Eigenvalue Sensitivity Factors	26PESGM001669	Ahlem Aissa Berraies, Abbas Rabiee and Innocent Kamwa
2210	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Rolling Horizon Unit Commitment via Polyak-Based Lagrangian Relaxation	26PESGM001687	Veronica Diaz Pacheco, Dilip Pandit, Cody J. Newlun, Atri Bera, Tu Anh Nguyen and Jordan Kern
2211	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	The Impact of Large Data Center Load Uncertainties on Power Grid Reliability	26PESGM001712	Nathalie Uwamahoro and Sara Eftekharijad
2212	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Preventive N-1 Security-Constrained Optimal Transmission Network Reconfiguration	26PESGM001738	Roberto Cometa, Francesco Lorusso, Marco Menga, Angelo Velini, Rossano Musca, Sergio Bruno and Massimo La Scala
2213	Red - Power Systems	PSOPE Bulk Power System Operations Subcommittee Poster Session	Optimal Retail Energy Procurement Under High Behind-the-Meter PV Penetration Using Multi-Year Rolling-Horizon CVaR Optimization	26PESGM001902	Sumedha Sharma and Shiva Amini
2214	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Multi-Stage Dynamic Programming for VAR Source Placement under Coal-Fired Power Plant Retirement	26PESGM000066	Haoyu Liu, Qianggang Wang, Yuan Chi, Niancheng Zhou, Jia Ye and Zainan Li
2215	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Enhancing EMT Analysis for IBRs using Transient Stability Proximity Index: A New York Case Study	26PESGM000205	Masoud Esmaili and Jin Hao
2216	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Evaluating Deployment Strategies for Battery Storage in the Mainland Spain Electricity System	26PESGM000218	Xabier Josu Chasco Quintana, Alex Junior da Cunha Coelho, Araceli Hernández Bayo and Luis Badesa Bernardo
2217	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Optimal Capacity Expansion Planning with Multi-Terminal High Voltage DC Transmission	26PESGM000302	Jesse Holzer, Osten Anderson, Konstantinos Oikonomou, Patrick Maloney, Casey Burleyson and Marcelo Elizondo
2218	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Adaptive Confidence Factor-Based TRM Assessment for Renewable Rich Grids: A New Zealand Perspective	26PESGM000314	Uchenna E. Edeh, Tek Tjing Lie and Md Apel Mahmud
2219	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Compressed DMD Based Power System Oscillation Detection Using PMU Data	26PESGM000377	Rajarshi Roychowdhury, Balaji Guddanti and Mahesh Illindala
2220	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	A Wildfire-Aware Unit Commitment for Enhanced Grid Resilience and Operational Performance	26PESGM000433	Kyung-bin Kwon, Eran Schweitzer, Brent Eldridge, Matt Cornachione, Kaitlynn Lilly, Molly Rose Kelly-Gorham and Sarah Newman
2221	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Simulation of Grid Hardening Impacts on Puerto Rico Hurricane Recovery	26PESGM000478	Meng Zhao, Rabayet Sadnan, Patrick Maloney, Alexandre B. Nassif, Kishan Prudhvi Guddanti, Fernando Bereta dos Reis, Marcelo Elizondo, Patrick Royer, Vishvas Chalisahar, Veronika Rabl, Estefania Alfaro-Mejia, Daniel Haughton, Taisha Rosa-Ramirez and Oscar Garzon Rivera
2222	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Bilevel Optimization for Optimal Incentive Design in Resilient Power System Planning with Distributed Energy Resources	26PESGM000517	Wei Wang, Liping Li, Brittany Taruffelli, Sarah Newman and Thiagarajan Ramachandran
2223	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Co-Optimization of Transmission Lines and Energy Storage Systems for Multi-Year Expansion Planning	26PESGM000529	Kevin-Rafael Sorto-Ventura, François Bouffard and Martin de Montigny
2224	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Converged AC Power Flow Cases from Linear Production Cost Models via ACOPF	26PESGM000671	Eran Schweitzer, Brent Eldridge, Michael Abdelmalak and Nader Samaan
2225	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	An Econometric Approach for Impact of Uncertainties in TCO of Transmission Lines	26PESGM000764	Miroslav Begovic and Paul Springer
2226	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Virtual Power Plant-based Grid Planning for Gigawatt-Scale Data Center Interconnection	26PESGM000940	Zhengrong Chen, Don Dharmapala, Yaming Zhu and Yannan Wang
2227	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	EPCM-Based Dynamic Reactive Power Planning in Renewable-Dominated Sending-End Systems	26PESGM000950	Zihan Cai, Lin Guan and Yongzhe Li
2228	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Area-Level Assessment of Hourly Variability of Reliability: A Transmission Planning Perspective	26PESGM001209	Swetha R. Kasimalla, Rahul Chakraborty, Yuan Du, Sujay A. Kaloti, Ramtin Khalili, Mohsen Mahoor and Jacob A. Midkiff

2229	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Decoupling Transmission Losses to Evaluate Long-Term Benefits of Expansion Planning	26PESGM001244	Abdelrahman Abdelkader, Bhuvan Dhamata, Kunal Amare and Mohammed Benidris
2230	Red - Power Systems	PSOPE Bulk Power System Planning Subcommittee Poster Session	Reimagining the Queue: Optimization-Guided Generation Interconnection	26PESGM001719	Emanuel Bernabeu, Walter Graf, Christopher Callaghan, Yang Chen, Amanda Martin, William Ulmer and Alexander Wang
2231	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Competitive Distribution Expansion With Reactive Power-Aware DERs Under Deep Electrification	26PESGM000010	Mohammad Amin Mirjalili and Jessie Ma
2232	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Unlocking Practical Stability in Smart Microgrid Economic Dispatch	26PESGM000015	Giulia Amato, Luigi Pio Savastio and Enrico Elio De Tuglie
2233	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Revealing Urban–Rural Disparities in Pre-Event Planning for Distribution Network Resilience under Coupled Wind–Rainfall Hazards	26PESGM000060	Shuo Li, Dong Liu, Chi K. Tse, Shouxiang Wang and Qianyu Zhao
2234	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Fairness-Driven Optimal Scheduling of Aggregated Distributed Energy Resources	26PESGM000077	Xintian Wang, Zhijie Yuan, Hong Liu, Junkai Li and Xingtang He
2235	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Network Exchangers for Hosting Capacity Enhancement in Low-Voltage Distribution Networks: An Australian Case Study	26PESGM000127	Achala Kumarawadu, Imran Azim, Mohsen Khorasany, Reza Razzaghi and Julio Braslavsky
2236	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Grid-Aware Hierarchical MPC Framework for Colocated Electric Vehicle Charging Stations Coordination	26PESGM000134	Ahmed Abdelaziz and Ramadan ElShatshat
2237	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Enhancing Distribution Network Resilience: A Hierarchical Collaborative Optimization Method Considering Steel Plant Demand Response and SOP	26PESGM000326	Jiawei Qu, Danyang Xu, Kai Hou, Zeyu Liu and Hongjie Jia
2238	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Networked Microgrid Dynamic Formation for Optimal Load Restoration By Data-driven Distributionally Robust Optimization	26PESGM000363	Haonan Zhu, Chia-Chi Chu, Pengfeng Lin, Wenping Qin, Miao Zhu and Peng Wang
2239	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Enhancing Distribution System Resilience by Unlocking Latent Flexibility in Large-Scale Small-Capacity Distributed Energy Resources	26PESGM000395	Bingruo Yin, Gengfeng Li, Tianyang Zhao, Yuxiong Huang and Zhaohong Bie
2240	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Spatiotemporal Energy Optimization for Electrified Railways Based on a Mobile Energy Storage System	26PESGM000563	xianlong li, Chen Shi, Mengyi Xu, Alexis P. Zhao and Da Xie
2241	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Privacy-Preserving Flexibility Evaluation via Distributed Energy Resource Aggregation	26PESGM000593	Zhao Yang, Xiaoting Wang and Ryan Yunwei Li
2242	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Model-in-the-Loop Validation of Future-Aware Tertiary Control Layer for CMR Microgrid	26PESGM000607	Md Jamal Ahmed Shohan, Renuka Loka, Rakesh Shamrao Patekar, Mohanad Elsayed, Mahmoud Kabalan, Mohamed M. Zakaria Moustafa and Thomas Bozada
2243	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Accelerated Optimality-based Bound Tightening Algorithm for Interval State Estimation of Low Voltage Networks	26PESGM000663	Suntao Su, Junbo Zhao and Liang Du
2244	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	A Multi-Objective Framework for the Integrated Planning of Water-Energy-Food Systems	26PESGM000706	Andrea Cusva-García, Nicanor Quijano and Guillermo Jiménez-Estévez
2245	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Hosting Capacity Evaluation of Renewable Power-to-Ammonia Systems in Distribution Networks	26PESGM000719	Dongrui Quan, Haipeng Xie, Lingfeng Tang, Bingkai Huang and Zhaohong Bie
2246	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Curtailment-Aware BESS Scheduling of Hybrid Solar Systems in Flexible Interconnection under Forecasting Uncertainties	26PESGM000749	Md Shakil Anwar and Yazhou Jiang
2247	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	An Urban EV Charging Demand Generator For 343 Cities in China Based on AOI Information	26PESGM000853	Lyuzhu PAN and Hongcai Zhang
2248	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	End-to-End Optimal Scheduling for Integrated Energy System with Solid Oxide Fuel Cell	26PESGM000906	Qiyue Zhu, Tao Wu, Kaigui Xie, Ying Zhang and Tianqiao Zhao
2249	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Utilizing Mobile Energy Storage Systems as Potential Enhancements of Renewable Energy Hosting Capacity for Distribution Systems	26PESGM000953	Xiaochuan Liu, Hailiang Lu, Bochao Yang, Zhitong Tian and Lei Lan
2250	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	A Two-Stage Frequency-Voltage Coordinated Emergency Control Strategy for Isolated Microgrids	26PESGM000991	Yufei Zhao, Jingtao Zhao, Hanwen Gu, Zaibin Jiao, Jiawei Yuan and Zongbo Li
2251	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Time-Variant Problem of Distribution System Security Region: Phenomena, Reason and Solution	26PESGM000994	Jun Xiao, Chengjin Li and Heng Jiao
2252	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Reliability-Driven Planning of a Campus Auxiliary Power Grid with Renewable Upgrades	26PESGM001059	Cheyenne Torraca and Anthony Deese

2253	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Instability Risk of Distributed Energy Resources (DERs) in Weak Distribution Networks: Impact of Anti-Islanding Schemes	26PESGM001125	Chien Tschang, Yazhou Jiang, Wei Ren and Tom Key
2254	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	LSTM-Embedded Q-learning for Daily Operation of Microgrid with Renewable Uncertainty and Demand-Side Management	26PESGM001185	ZEINA BAHJI and Bing Yan
2255	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	DER Day-Ahead Offering: A Neural Network Column-and-Constraint Generation Approach	26PESGM001220	Weiqi Meng, Hongyi Li and Bai Cui
2256	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	PROMETHEE-based Modeling of Endogenous Behavioral Uncertainty of EV Owners	26PESGM001233	Dipayan Sarkar and Qifeng Li
2257	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Multi-Objective Optimization of Energy Storage Siting and Sizing Problem	26PESGM001526	Md Shamim Hasan, Willie Aboumrad, Phani R. V. Marthi and Suman Debnath
2258	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Reinforcement Learning for Vehicle-to-Grid Voltage Regulation: Single-Hub to Multi-Hub Coordination with Battery-Aware Constraints	26PESGM001586	Jingbo Wang, Roshni Jacob, Harshal Kaushik and Jie Zhang
2259	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Topology-Aware Reinforcement Learning over Graphs for Resilient Power Distribution Networks	26PESGM001610	Roshni Anna Jacob, Prithvi Poddar, Jaidev Goel, Souma Chowdhury, Yulia R. Gel and Jie Zhang
2260	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Analytical Evaluation of the Negative-Sequence Impedance Directional Elements in IBR-Rich Transmission Systems	26PESGM001650	Ghansham Meghwar and Lina He
2261	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Spatio-Temporal Modeling of Urban Electric Vehicle Charging Demand Incorporating Real-World Traffic Dynamics	26PESGM001782	Subhamyu Nepal, Pallavi Khanal and Timothy Hansen
2262	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Calibrated Maximum Ratio Combining for Fusion-Based Distribution System State Estimation	26PESGM001818	Reza Nematirad, Anil Pahwa and Balasubramaniam Natarajan
2263	Red - Power Systems	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Synthetic Power Distribution Modeling For Asset Planning	26PESGM001839	Siavash Hosseini and Javad Fattahi
2264	Red - Power Systems	PSOPE Power System Economics Subcommittee	TEMOA-Ontario: Community-Level Pathways to a Net-Zero Energy Transition	26PESGM000024	Bairavi Mathialagan, Felipe Rolim and Bala Venkatesh
2265	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Bidding Strategy for Electrolytic Aluminum Enterprises Participating in the Demand Response Market Based on Electricity Cost Analysis	26PESGM000369	CHONG HAN
2266	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Few-Shot LLM Framework for Extreme Day Classification in Electricity Markets	26PESGM000407	Saud Alghumayjan, Ming Yi and Bolun Xu
2267	Red - Power Systems	PSOPE Power System Economics Subcommittee	Electricity Flexibility Evaluation of Hydrogen-Based Steelmaking with Solar PV Electrolysis	26PESGM000622	Zhuo Chen, Manjun Chen, Xiangdong Xu and hongjie Jia
2268	Red - Power Systems	PSOPE Power System Economics Subcommittee	Comparing Electricity Market Configurations: Transmission, Distribution, and Peer-to-Peer	26PESGM000664	Amir Hossein Taheri and Jessie Ma
2269	Red - Power Systems	PSOPE Power System Economics Subcommittee	Moving Beyond Binary Classification in Energy Poverty Analysis: A Probabilistic Machine Learning Framework	26PESGM000804	Noon Hussein, Hanieh Nazloo and Petr Musilek
2270	Red - Power Systems	PSOPE Power System Economics Subcommittee	A calculation method for flexible resource baseline power based on Nash Bargaining Game	26PESGM000879	Hang Li, Yilin Wen, Zechun Hu and Xiaoyu Duan
2271	Red - Power Systems	PSOPE Power System Economics Subcommittee	Impact of Public Policies and International Trends on Residential Electricity Tariffs in the Chilean Power Market <br clear="all">	26PESGM000973	Dasla Pando-Flores, Felipe Alarcón, Felipe Alemany, Eckner Chaljub, Fabián Corvalán, Martín Fritz, Marcelo Gatica, Sofía Ibarra, Francisco Inostrosa, Javiera Jaime, Andrea Morales, Francisca Muñoz, Tomás Órdenes, Yerko Orellana, Macarena Ríos, Axel Rivas and Rodrigo Palma-Behnke
2272	Red - Power Systems	PSOPE Power System Economics Subcommittee	LMP-Based Transmission and Battery Storage Co-Planning for Reducing Price Disparities	26PESGM001001	Weihsang Ren and Yongpei Guan
2273	Red - Power Systems	PSOPE Power System Economics Subcommittee	Hierarchical Coordinated Dispatch Strategy for Multiple Virtual Power Plants Based on Event-Triggered Mechanism and Energy Sharing	26PESGM001050	Linhui Zhang, Xiangyu Kong, Yi Chen, Gaozhua Liu, Hui Hui and Panlong Jin
2274	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Fast Relax-and-Round Approach to Unit Commitment Algorithm for Data Center own Generation	26PESGM001068	Shaked Regev, Eve Tsybina and Slaven Peles
2275	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Transactive Energy Approach to the Water-Energy-Food Nexus	26PESGM001155	Andrea Cusva-García, Rodrigo Palma-Behnke, Nicanor Quijano, Guillermo Jiménez-Estévez and Patricio Mendoza-Araya
2276	Red - Power Systems	PSOPE Power System Economics Subcommittee	Quantum-Seeded Blockchain Consensus for Secure P2P Energy Trading	26PESGM001178	Yi Feng, Ziqing Zhu and Siqi Bu

2277	Red - Power Systems	PSOPE Power System Economics Subcommittee	Peak-Load Pricing and Investment Cost Recovery with Duration-Limited Storage	26PESGM001330	Daniel Shen, Marija Ilic and John Parsons
2278	Red - Power Systems	PSOPE Power System Economics Subcommittee	Novel Methods for Solving Dual-Risk-based Optimal Power Flow	26PESGM001464	Bin-Yang Liu and Hsiao-Dong Chiang
2279	Red - Power Systems	PSOPE Power System Economics Subcommittee	Feasibility-Preserving ADMM Coordination of Transmission and Distribution Systems with Emergent Market Interface Equilibrium	26PESGM001513	Umar Salman, Zongjie Wang, Tongxin Zheng, Jinye Zhao and Chen Feng
2280	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Stochastic Optimization Framework for the Coordinated Operation of Renewable–Computational Energy Bases	26PESGM001568	Yaxuan Zhu
2281	Red - Power Systems	PSOPE Power System Economics Subcommittee	The Value of Hydropower as a Grid-Scale Storage Resource: A Commodity Market Approach	26PESGM001668	Brittany Taruffelli, James Gibson, Sarah Barrows and Abhishek Somani
2282	Red - Power Systems	PSOPE Power System Economics Subcommittee	Integrated T&D Impact Assessment of EV Charging Using a Co-Simulation Framework	26PESGM001677	Jacob Hastings, Monish Mukherjee, Trevor Hardy and Anjan Bose
2283	Red - Power Systems	PSOPE Power System Economics Subcommittee	Will the Carbon Border Adjustment Mechanism Impact European Electricity Prices? A GNN-Based Network Analysis	26PESGM001752	Jiachen Shen, Jian Shi, Dan Wang and Zhu Han
2284	Red - Power Systems	PSOPE Power System Economics Subcommittee	Two-Stage CVaR-Based Stochastic Energy Procurement Strategy for Electric Vehicle Charging Network Operators	26PESGM001783	Pallavi Khanal, Subhamyu Nepal and Timothy Hansen
2285	Red - Power Systems	PSOPE Power System Economics Subcommittee	A Multi-Timescale Demand Response Pricing Method for VPP Considering Privacy Protection and Renewable Energy Integration	26PESGM001832	Linhui Zhang, Xiangyu Kong, Jin Su, Gaohua Liu, Yi Qi and Jianfeng Gong
2286	Red - Power Systems	PSOPE Power System Economics Subcommittee	Carbon-aware Market Participation for Building Energy Management Systems	26PESGM001872	Young-ho Cho, Mohamad Chehade, Fatima Al-Janahi, Sol Lim, Javad Mohammadi and Hao Zhu

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3002	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Current-Aware Transformer for Cross Life Stage Battery Aging Prediction in Second Life Applications	26PESGM000735	Yuou Chen, Guangyuan Ma and Xuan Zhang
3003	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Coupled Traffic–Power Optimization for Integrated Energy Service Stations under Electric Heavy-Duty Truck Demand	26PESGM000751	Senyao Wang, Jin Ma and Thomas Chaffey
3004	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Embedding Data-Driven Dynamic Efficiency Model into Day-ahead Bidding Strategy of Vanadium Redox Flow Batteries	26PESGM000753	Yijia Chen, Kangping Li, Zihang Song, Zhenghui Li and Chunyi Huang
3005	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Beyond Fast Frequency Response: How Fast-Acting Energy Storage Suppresses Ultra-Low-Frequency Oscillations	26PESGM000755	Weike Mo, Qingqin Ma, Weicheng Lu, Yingqi Liang, Changsheng He and Yiping Chen
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3007	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Influence of Dynamic Wireless Power Transfer on Battery Aging in Long-Haul Electric Trucks	26PESGM000784	Henry Winner, Valentin Preis, Felix Hell and Andreas Jossen
3008	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Online EIS Measurement Method for Lithium-Ion Battery Energy Storage Systems	26PESGM000883	fu li, Xisheng Tang, Shuang Song, Yushu Sun, Yanglin Zhou, Song Ci and Chengjie Zhang
3009	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Data Driven Modeling of Thermal Energy System Using Symbolic Regression	26PESGM000954	Zhaoming Liu, Chengxi Liu and Mingyuan Liu
3010	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Nonparametric Kernel Regression for Coordinated Energy Storage Peak Shaving with Stacked Services	26PESGM001195	Emily Logan, Ning Qi and Bolun Xu
3011	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Optimizing multi-market participation of battery and electrolyser systems based on field performance	26PESGM001317	Chunyang Zhao, Stoyan Trenchev, Shi You and Chresten Tr��holt
3012	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Data-driven Control of Distributed Energy Resources in Virtual Power Plants Under Uncertainty	26PESGM001409	Fatemeh Shojaei, Arash Vahidnia and Ali Moradi Amani
3013	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Dynamic-Phasor Data-Driven Modeling of Grid-Forming Battery Inverters under Unbalanced Conditions	26PESGM001485	Pallavi Ghimire, Samip Poudel, Lucas Elias dos Santos, Sebastian Eichhorn, Mariko Shirazi, Donald Hummels and Reinaldo Tonkoski
3014	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	High-Fidelity Data-Driven Modeling of Battery Energy Storage for Grid Applications	26PESGM001523	Erfan Kharazian, Amarsagar Reddy Ramapuram Matavalam, Hyungjin Choi and Ujjwol Tamrakar
3015	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Beyond Lithium-ion Battery Energy Storage Systems: Technology Testing and Evaluation at SCE	26PESGM001574	Arash Farokhi Soofi, Farhad Elyasichamazkoti, Arian Azizi, Ahmadrza Momeni, Gabriel Andaya and Ryan Miller
3016	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Battery Operation Informed Temperature Prediction for Cooling-Aware Microgrid Day-Ahead Scheduling	26PESGM001607	David Okpo, Jose Betancourt and Cunzhi Zhao
3017	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Enhancing Microgrid Reliability with Human-in-the-Loop Safe Reinforcement Learning for Community Energy Storage Management	26PESGM001611	Van-Hai Bui, Guilherme Vieira Hottweg, Taehyung Kim, Akhtar Hussain, Sina Zarrabian and Wencong Su
3018	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Multi-Resolution Stochastic Dispatch of Energy Storage Under Forecast Uncertainty	26PESGM001732	Dexin Wang, Xueqing Sun, Tao Fu, Di Wu and Xu Ma
3019	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	Data-informed control of Hybrid Energy Storage Systems in LVDC microgrids	26PESGM001844	Cameron Mantell and Jeremy Watson
3020	Blue -Power Delivery	Energy Storage & Stationary Battery Poster Session	High-Bandwidth Dual Active Bridge DC-DC Converter for Data Center Power Management System	26PESGM001945	Alper Uzum , Syed Imam Hasan, Ashraf Siddiquee and Yilmaz Sozer
3021	Blue -Power Delivery	Insulated Conductors Poster Session	Performance Evaluation of High-Voltage Underground Cables: Comparative Study of Copper and Aluminum Conductors	26PESGM000158	Jesus Enrique Guevara Asorza, Ricardo De Araujo, Theofilos Papadopoulos and Jose Pissolato Filho
3022	Blue -Power Delivery	Insulated Conductors Poster Session	Analysis of BPLC behavior under adverse conditions: A Pathway towards cable health monitoring	26PESGM000450	Amirali Mahjoob, Sebastian Tan, Philipp Lutat and Andreas Ulbig

3023	Blue -Power Delivery	Insulated Conductors Poster Session	Lightning-Induced Voltage Surges in Submarine Fiber Optic Cables for Offshore Data Centers	26PESGM001471	Eduardo Enrique
3024	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Outlier-Aware Semi-Supervised Learning for Generalizable Non-Intrusive Load Monitoring	26PESGM000508	Keke Li, Bo Liu, Wenpeng Luan, Yang Han, Zhixin Li and Jin Bao
3025	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	PRPD Construction and Analysis Using HFCT in Oil-Immersed High-Voltage Current Transformers	26PESGM000641	Kaynan Maresch, Christoph Andres, Martin Wolter, Ghendy Cardoso Jr, Aécio Oliveira, Luiz Freitas-Gutierrez, Marcus Nunes and Maurício Sperandio
3026	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Identification of Load Behavior Using Digital Signal Processing with Time-Varying Harmonics	26PESGM001010	Ricardo O. Gomes, Fernando N. Belchior, Carlos Duque, Paulo F. Ribeiro and Roberto Langella
3027	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	In-Situ EMF and Safety Assessment of an EV Wireless Charging System	26PESGM001107	Cristian Giovanni Colombo, Harutaka Suzuki, Ryosuke Ota, Michela Longo, Giuseppe Mastroviti and Gianfermo Lupi
3028	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Transient Stability Assessment via LLM-Driven Simulation and Neural Architecture Search	26PESGM001126	Lianzhe Hu, Yu Wang and Bikash Pal
3029	Blue -Power Delivery	Power System Instrumentation and Measurements Poster Session	Error Mechanism Modeling and Prediction of Current Transformers under Dynamic Influencing Factors	26PESGM001191	Yongda Yang, Wei Qiu, Yao Zhang , Yixi Zou, He Yin and Wenxuan Yao
3030	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Cyber-Resilient Frequency Control of VSGs Using Adaptive Learning Control	26PESGM000045	Mohammad Raeispour, Shuo Yan and Lasantha Meegahapola
3031	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Federated Deep Packet Inspection for Intrusion Detection in Interconnected Power Grids	26PESGM000283	May Myat Thwe, Alfian Presekal and Alexandru Stefanov
3032	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Operational Technology Behavioral Analytics (OTBA) & A Data-Centric Approach for Reducing Cybersecurity Risk	26PESGM000603	Clifton Black, Michael Thorn, Adam Carrington and Masrur Rahman
3033	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Bayesian Network-based Reasoning for Assisting the Differentiation between Cyberattacks and Undetected Faults in DER Systems	26PESGM000653	MOHAMMAD SHAMIM AHSAN, Minghui Zhu and Peng Liu
3034	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Lessons Learned from Reviewing Energy Sector Cybersecurity Plans	26PESGM000765	Archibald McKinnon, Paul Francik, Amy Pollom and Richard Griswold
3035	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	A Post-Quantum Testbed for EV and DER Communications through Grid-Connected Home Energy Management Systems	26PESGM000802	Robert Marlin, Yateendra Mishra and Yuchen Zhang
3036	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	An AI-Enhanced Bayesian Game Defense Framework for Electrical&Thermal Coupled Integrated Energy Systems	26PESGM001219	Bingjing Yan, Chenhuan Cui, Qiang Yang, Shiming He, Yaoxia Shao and Mengting Zhang
3037	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Learning-Based Stealthy Load Redistribution Attacks for Market Price Manipulation in Smart Grids	26PESGM001300	Adnan Anwar and Abdun Mahmood
3038	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Voting-Based Hybrid Framework for Robust Anomaly Detection in Smart Grid Communication Networks	26PESGM001398	Sharon Boamah, Priya Mittal, Michel Caraballo, Janise McNair and Arturo Bretas
3039	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Self-Verifying Anomaly Detection using Explainable AI for Cybersecurity of DER Networks	26PESGM001551	Damilola Popoola, Souradeep Bhattacharya and Manimaran Govindarasu
3040	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	A Real-World Demonstration of the Tactical Microgrid Standard on Legacy Distributed Energy Resources: A Case Study	26PESGM001695	Christi Watson, Colin Nilson, Mahmoud Kabalan, Lucas Koerner and Thomas Bozada
3041	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Stealthy PTP Delay Attack Mitigation through Machine Learning-Based Detection in Smart Grids	26PESGM001720	Olivier Cabana, Amr M. Youssef, Mourad Debbabi, El-Nasser S. Youssef and Marthe Kassouf
3042	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	A Unified Dynamic Modeling and Data-Driven Workload Framework for Large Electric Loads	26PESGM001736	Siyu Lu, Chenhan Xiao and Yang Weng
3043	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	False Data Injection Attack Detection for DC Microgrids Using Partial Load Measurements	26PESGM001779	Ali Elrattyah and Yilamz Sozer
3044	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Enhancing Cyber-Resilience of Automatic Generation Control through Moving Target Defense	26PESGM001789	Sayemul Islam, Mohammad Zakaria Haider, Mucun Sun and Mohammad Ashiqur Rahman

3045	Blue -Power Delivery	Power Systems Communications & Cyber Security Poster Session	Integrated IDS and OT-SDN for Strengthening Cybersecurity Posture of Differential Protection	26PESGM001791	Behzad A. M. Alizadeh, Amir Abiri Jahromi, Negar Karimipour, Muhammad Jaseemuddin and Mohammadreza F. M. Arani
3046	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Dynamic state-space estimation based fault characterization algorithm	26PESGM000105	Gregor Becker, Johann Jaeger and Matthias Kereit
3047	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Traveling-Wave Protection Method for Boundaryless VSC-HVDC Grids	26PESGM000170	MINGXUAN TANG, YUQING WU, YI SHEN, ZHENTING ZHAO and YINHONG LI
3048	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Multi-objective evolutionary algorithm for real-time estimation of voltage signal parameters	26PESGM000252	Tiago Silva, Denis Coury, Alexandre Delbem and Caio Grilo
3049	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	A Rule-based Intelligent Method for Identifying Single-Line-to-Ground Fault Location in Distribution Systems	26PESGM000403	Gary Chang, Iverson Li and Pei-Jen Hsu
3050	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Hardware Implementation of a Dynamic Mode Decomposition Algorithm for Feature Extraction of High-Impedance Faults	26PESGM000598	JAVIER HERNANDEZ-ALVIDREZ, Miguel Jimenez-Aparicio, Oscar Acosta and Matthew J Reno
3051	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Design of High-Current, Low-Voltage DC CB Based on Fast Mechanical LC Topology	26PESGM000738	Dragan Jovcic and Ibrahim Shehu
3052	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Resonance-Induced Overvoltages on Parallel Transmission Lines: Causes, Events, and Mitigation Strategies	26PESGM000837	Oveis Asgari Gashteroodkhani and Mehdi Etezadi-Amoli
3053	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Impact of Zero-Sequence Susceptance on Protection Coordination in Non-Stabilized Star–Star Transformers	26PESGM000860	Nikolaos Gkinis, Michalis Karystianos, Konstantinos Kretsis and Theodoros Souxes
3054	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Impact of IBR Control on the Performance of Under-Frequency Load Shedding Scheme	26PESGM000875	Xinquan Chen, Aboutaleb Haddadi, Evangelos Farantatos and Ilhan Kocar
3055	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	A Signal-Based, Single-Ended Method to Detect Broken Conductor Events with Series Arcing in Power Distribution Lines	26PESGM001113	Miguel Jimenez Aparicio, Oscar Acosta, Javier Hernandez Alvidrez and Matthew Reno
3056	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Fault Classification in Active Distribution Systems Using Explainable Convolutional Neural Networks	26PESGM001410	Mohammadreza Mirjafari, Peter Idowu, Md Habib Ullah, Oluwadamilola Ajayi and Akinwale Stephen Akintaro
3057	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Field-ready implementation of fail-safe adaptive protection relay schemes	26PESGM001484	Christoph Mederer, Tobias Lorz and Johann Jaeger
3058	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Distance Protection Relaying in Distribution Grids with Increasing Inverter-Based-Resources	26PESGM001559	Jonathan Loebel, Gregor Becker, Johann Jaeger, Kai Trunk, Johannes Leugner and Christian Scheibe
3059	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Technical Perspectives on Fault Current Injection Requirements in IEEE Std 2800-2022: Clarifications and Recommendations for Improvement	26PESGM001604	Manish Patel, William Baker, Jonathan Glidewell and Kevin Dowling
3060	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Understanding the Impact of Autoreclosing on Voltage Ride-Through of Large Electronic Loads	26PESGM001662	Damjan Zecheviki and Surya Santoso
3061	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Modern Anti-Windup Design of Over-current Limiters for Grid-forming Inverters	26PESGM001707	Philippe Lefebvre, Mathieu Lambert, Dmitry Rimorov and Innocent Kamwa
3062	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Adaptive Distance Protection for Line-to-Ground Faults in Networks with Grid-Following Inverters	26PESGM001750	CHANDRA PANDA, TUSHAR YETE, DEEPAK PULLAGURAM, ASHOK PRADHAN and Pavanchandra Mandava
3063	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Inverter-Dependent Transmission System Protection Using a Joint Random Forest Classifier	26PESGM001804	Yue Chen, Soham Chakraborty and Jing Wang
3064	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Evaluation of a Reduced-Order Model for IBR Fault Response Representation via OEM Blackbox Models	26PESGM001881	Owen Cormmesser, Jing Wang, Soham Chakraborty, Rasel Mahmud, Andy Hoke, Paulo Pinheiro, Brian Johnson and Romulo Bainy
3065	Blue -Power Delivery	Power Systems Relaying & Control Poster Session	Evaluating Protection System Performance for a Real-World Weak Grid Area With High Inverter-Based Resources	26PESGM001890	Jing Wang, Abu Hasan, Yaswanth Velaga, Lang Chen, Joseph Dubeau and Andrew Arana
3066	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Data-driven Modeling of Grid-Support Services Provided by Heat Pumps in an Energy Community	26PESGM000175	Rezeq Direya, Ferdinanda Ponci and Antonello Monti

3067	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Data-Driven Integration of Thermal Comfort and Demand-Side Management Using PV Measurements in Qatar	26PESGM000199	Muneera Al-Qahtani and Ameni Boumaiza
3068	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Personalized Home Energy Management Using Non-Intrusive Load Monitoring and Human-in-the-Loop Reinforcement Learning	26PESGM000295	Ryan Persico, Yichen Yang, Rajit Gadh and Xiaofan Cui
3069	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Multi-Agent Reinforcement Learning for Optimal Bidding of Energy Aggregators in Real-Time Multi-Service Provision	26PESGM000650	Truong Hoang Bao Huy, Hang Nguyen, Kha T. Nguyen, Christina Papadimitriou and Phuong H. Nguyen
3070	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Coordinated Energy-Aware Job Scheduling and Flexibility Provisioning in Distributed Data Centers	26PESGM000651	Aditya Shankar Kar, Hongbo Sun, Arvind Raghunathan and Jianlin Guo
3071	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Subsynchronous Oscillation Assessment in Grid Integration of Large Data Center Loads	26PESGM000739	Masoud Barati
3072	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Port-Hamiltonian Control for DC Data Center Loads under Variable Grid Conditions	26PESGM001015	Lizhi Wang, Fei Feng, Ziqian Liu, Ella Zhou and Yashen Lin
3073	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Spatiotemporal Probabilistic Forecasting of EV Charging Load with Conditional Diffusion Model	26PESGM001229	Linbo Zhang, Zaibin Jiao, Chenhao Zhao, Zongbo Li, Jiawei Yuan and Hanwen Gu
3074	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Near-optimal Chiller Control for Demand Response using Input Convex Neural Networks	26PESGM001303	Guanyu Tian, Mucun Sun and Zheng O'Neill
3075	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	A Physics-informed Convex Data Driven Model for Grid-interactive Reverse Osmosis Desalination Plant	26PESGM001304	Naveen Jagadeesan, Mucun Sun, Nima Fathi and Guanyu Tian
3076	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Declaration Decision of the Adjustable Charging-Power Range for Electric Vehicles Considering Battery Degradation Cost	26PESGM001472	Ninghui Yang, Zechun Hu, Asad Mujeeb and Xiaoyu Duan
3077	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Demand response potential evaluation of a zero carbon hydrogen metallurgy system considering shaft furnace's flexibility	26PESGM001473	Qiang Ji, Lin Cheng, Kaidi Huang, Junxin Lv, Yue Zhou and Zeng Liang
3078	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	A Mixture of Experts Method with Coordinated Imputation for Multi-Residential Load Forecasting under Missing Data	26PESGM001494	Zhenyuan Du, Ziming Yan and Yan Xu
3079	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Maximum Power Transfer Capability of Grid-Connected Inverters Considering Grid Strength and R/X Ratio	26PESGM001555	Guodong Liu and Michael Starke
3080	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	LLM-Enhanced Scenario-Aware Vehicle-to-Home Operation under Grid Resiliency	26PESGM001836	Guang Chen, Difei Tang, Ziqi Zhang, Qi Wang, Yuanyi Chen and Peng Wang
3081	Blue -Power Delivery	Smart Buildings, Loads & Customer Systems Poster Session	Mode-Aware Short-Horizon Forecasting for Residential Heat Pump Water Heaters under Realistic Draws	26PESGM001876	Jialin Liu, Ali Bohluli Oskoueï and Sara Eftekharnajad
3082	Blue -Power Delivery	Substations Poster Session	Platform-Agnostic Software Architecture for Edge Automation of Low-Voltage Distribution Grids	26PESGM001104	Erdem Gümrükcü and Debopama Sen Sarma
3083	Blue -Power Delivery	Substations Poster Session	Fully Automated EMT Simulation of Multi-Terminal Direct Current Grids Using RE-INTEGRATE	26PESGM001506	Phani R V Marthi, Phuong H. Hoang, Shamim Hasan and Suman Debnath
3084	Blue -Power Delivery	Substations Poster Session	Strategy Phasing of Cyber Attacks on Digital Substations	26PESGM001533	Akila Herath, Chen-Ching Liu, Junho Hong and Kuchan Park
3085	Blue -Power Delivery	Substations Poster Session	Hardware-in-the-Loop Implementation of the Secure SDN-Based Digital Substation	26PESGM001579	shayan soltani, Mehrdad Kazemtabrizi and Innocent Kamwa
3086	Blue -Power Delivery	Substations Poster Session	Physics-Informed Neural Network-Based Anomaly Detection for Digital Substations Under Multi-IED Compromise	26PESGM001922	Kuchan Park, Junho Hong, Wencong Su, Akila Herath and Chen-Ching Liu
3087	Blue -Power Delivery	Switchgear Poster Session	Modeling of Selective Interruption Using Coordination Capacitor and Solid-State Circuit Breakers in Urban DC Microgrids	26PESGM000499	Naoki Hanaoka, Naruto Arai and Toshihiro Hayashi
3088	Blue -Power Delivery	Switchgear Poster Session	Digital-Driven Design: Simulation-Based Approaches for Medium Voltage Switchgear Short-Circuit Performance	26PESGM000795	Aniket Shirode, Pawel Bajerski, Jakub Rozwod and Amar Kini
3089	Blue -Power Delivery	Transformers Poster Session	Evaluation of full impact of Carrington - equivalent GMD Event on Power Transformers on New Zealand's Transmission Network	26PESGM000413	Ramsis Girgis, Mats Bernesjo and Andrew Renton
3090	Blue -Power Delivery	Transformers Poster Session	Field Measurement and Analysis of an Electric Bus Charging Station: A Case Study on Transformer Losses and Harmonic Impacts	26PESGM000639	Guan-Yi Li, Gary Chang and Heng-Jiu Lu

3091	Blue -Power Delivery	Transformers Poster Session	Physics-informed Neural Network for Transformer Thermal Modelling	26PESGM001074	Abhinav Bhattarai, Anuradha Abeysekara, Chandima Ekanayake, Hui Ma and Tapan Kumar Saha
3092	Blue -Power Delivery	Transformers Poster Session	Artificial Intelligence-Based Transformer Fault Identification Using Frequency Response Analysis	26PESGM001386	Joshua Ottens, Ali Doostmohammadi, Amir Ameli, Mohammad Nasir Uddin and Siavash Jamshidi
3093	Blue -Power Delivery	Transformers Poster Session	New burden definitions for voltage and capacitor voltage transformers	26PESGM001469	Igor Ziger, Hossein Nabi-Bidhendi, Thomas Sizemore, Zoltan Roman, Deniss Carr, David Wallace and Frank Neder
3094	Blue -Power Delivery	Transmission and Distribution Poster Session	Optimal Placement of STATCOMs for Improving Voltage Stability in Industrial Power Systems	26PESGM000346	Hyeonseong Mun
3095	Blue -Power Delivery	Transmission and Distribution Poster Session	AC Network fault characterisation in MMC based HVDC Systems	26PESGM000390	Pratik Rao and Himanshu Bahirat
3096	Blue -Power Delivery	Transmission and Distribution Poster Session	A Single-Stage DC Fast Charger with Enhanced Reactive Power Compensation Capability	26PESGM000429	Avinash Dornala and Woongkul Lee
3097	Blue -Power Delivery	Transmission and Distribution Poster Session	Energy Control Strategy to Enhance AC Fault Ride-Through in Offshore Wind MMC-HVDC Systems	26PESGM000479	Dileep Kumar and Wajiha Shireen
3098	Blue -Power Delivery	Transmission and Distribution Poster Session	Instrumented Pile Load Testing Using Vibrating Wire Strain Gauges with Supporting Low-Strain Integrity Assessment in Transmission Line	26PESGM000869	Dr. Rizwan Tariq
3099	Blue -Power Delivery	Transmission and Distribution Poster Session	Application of High Voltage DC (HVDC) Transmission of Power for Data Center Loads	26PESGM000974	Fatemeh Ahmadloo, Ryan Wu and Kevin Chen
3100	Blue -Power Delivery	Transmission and Distribution Poster Session	Improving active distribution network operation through DC microgrid reactive power provision	26PESGM001098	Francesca Marasciulo, Maria Dicorato, Gioacchino Tricarico, Giuseppe Forte and Alberto Borghetti
3101	Blue -Power Delivery	Transmission and Distribution Poster Session	Arc-flash Assessment for High-Voltage Transmission Lines with Non-Communication Assisted Protection	26PESGM001172	Jahangir Khan and Jen Coote
3102	Blue -Power Delivery	Transmission and Distribution Poster Session	Strategic Development of Croatia's Transmission System within the European Energy Transition	26PESGM001282	Goran Levacic, Goran Majstrovic and Antun Andric
3103	Blue -Power Delivery	Transmission and Distribution Poster Session	Towards a DER-Centered Resilient Power System: Testbed Design and Grid Diagnosis	26PESGM001708	Shirin Besati, Robert Cox, Badrul Chowdhury, Ehab Shoubaki and Miao Wang
3104	Blue -Power Delivery	Transmission and Distribution Poster Session	Understanding the Effects of Reduced Short-Circuit Capacity and Inertia on Voltage Fluctuations and Harmonics	26PESGM001716	Eliot Jiménez-Ortega, Surya Santoso and Robert F. Arritt
3105	Blue -Power Delivery	Transmission and Distribution Poster Session	Powering the Digital Era: State of the Art and Challenges	26PESGM001803	Nazmul Haque Anik, Masoud Davoudi and Ali Bidram
3106	Blue -Power Delivery	Transmission and Distribution Poster Session	Climate-Informed, Risk Assessment and Optimal Vegetation Management for Enhancing Power Grid Resilience	26PESGM001847	Moses Acquah, Feng Chen, Zongjie Wang and Anna Scaglione
3107	Blue -Power Delivery	Transmission and Distribution Poster Session	Quantifying Vegetation Risk and Cost-Effective Mitigation For Improved Distribution Resilience	26PESGM001852	Umar Salman and Zongjie Wang

Board Number	Section	Session Title	Paper Title	Paper Number	Authors
4001	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Sparsity-exploiting Gaussian Process for Robust Transient Learning of Power System Dynamics	26PESGM000122	Tina Gao, Shimiao Li and Lawrence Pileggi
4002	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Towards Efficient Probabilistic Simulations of Cascading Outages in Power Systems	26PESGM000406	Yibo Li, Yijun Xu, Wei Gu, Shuai Lu, Mert Korkali and Lamine Mili
4003	Green - Best Paper	Analytic Methods for Power System Best Paper Session	A Min-Cut Approach For Contingency Analysis	26PESGM000680	Srikanth Yoginath, Maksudul Alam, Prathishtha Shukla and Nils Stenvig
4004	Green - Best Paper	Analytic Methods for Power System Best Paper Session	A Spatio-Temporal Neural Network for Long-Term Load Profile Forecasting with Topological Information	26PESGM000692	Fengbin An, Nanpeng Yu, Zhentong Shao, Yuzhou Chen, Aowabin Rahman, Casey Burleyson, Konstantinos Oikonomou and Osten Anderson
4005	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Integrated Wildfire Impact Modeling on Urban-Suburban Distribution System Resilience	26PESGM000876	Shengqi Yuan, Junbo Zhao, Jubair Yusuf, William Vining, Kenneth Brown and Brian Pierre
4006	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Detailed Equivalent Model for Parallel CPU-GPU EMT-type Simulation of Solid-State Transformer	26PESGM001013	Walid Hatahet, Hengyu Li, Liwei Wang and Juan Paez-Alvarez
4007	Green - Best Paper	Analytic Methods for Power System Best Paper Session	SolarDisagg-LLM: Leveraging Time Series Reprogramming of Large Language Models for Solar Disaggregation	26PESGM001135	Mozhi Chen, Liang Du, Shengyi Wang and Zhenyu Zhao
4008	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Stabilizing Quantum EMT on Noisy Hardware Using Multidimensional Richardson Extrapolation	26PESGM001204	Sijia Yu, Yifan Zhou, Bin Wang, Qiang Zhang, Xiaochuan Luo and Tongxin Zheng
4009	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Orchestrating Distributed Assets to Expand Resilience During Rolling Outages	26PESGM001343	Shiva Poudel, Monish Mukjerjee, Min Gyung Yu and Akshay Kumar Jain
4010	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Voltage Regulation in Distribution Systems with Data Center Loads	26PESGM001348	Yize Chen and Baosen Zhang
4011	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Transient Stability of Meshed HVDC Offshore Wind Network within New York State Power Grid	26PESGM001514	Lokesh Saravana, Xuan Phuong Nguyen, Shuvangkar Chandra Das, Jianhua Zhang, Tuyen V Vu, Thomas Ortmeyer and Victor D. Paduani
4012	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Truncated Copula-based Scenario Generation to Model Spatiotemporal Correlations of Wind and Solar Power Plants in Large-Scale Systems	26PESGM001516	Yitong Liu, Mingguo Hong, Junbo Zhao and Xiaochuan Luo
4013	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Power System Dynamic Contingency Analysis with Adaptive Distribution System Modeling	26PESGM001567	Owen Cornmesser and Qiuhua Huang
4014	Green - Best Paper	Analytic Methods for Power System Best Paper Session	A Co-optimization Model for the Restoration of Wildfire-damaged Electrical Distribution Systems	26PESGM001753	Brent Austgen and Ross Guttromson
4015	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Decentralized Attack-Resilient CLF-Based Control of Nonlinear DC Microgrids under FDI Attacks	26PESGM001889	Mohamadamin Rajabinezhad, Muratkhan Abdirash, Xiaofan Cui and Shan Zuo
4016	Green - Best Paper	Analytic Methods for Power System Best Paper Session	Quantum Secured Traveling Wave Protection	26PESGM001939	Siyun Wang, Ruoyan Fan, Yacov Shamash and Peng Zhang
4017	Green - Best Paper	Emerging Technologies Best Paper Session	Islanded Grid Reliability Enhancement: Guam's Experience with Synchronous Condensers and Grid-Forming BESS	26PESGM000012	Nielson Asedillo, Edgar Casale, Gayatri Repalle, George Zhou, Jessica Lopez-Rodriguez, John Cruz Jr. and Irwin Loyola
4018	Green - Best Paper	Emerging Technologies Best Paper Session	Day-ahead Forecasting of PV Power Based on TCN and Temporal Query Network Variant	26PESGM000096	HONGYI PENG, MINGYU YAN, YIZE LIU and YIJIA ZHOU
4019	Green - Best Paper	Emerging Technologies Best Paper Session	Safe Trajectory Gradient Flow Control of a Grid-Interfacing Inverter	26PESGM000216	Trager Joswig-Jones and Baosen Zhang
4020	Green - Best Paper	Emerging Technologies Best Paper Session	Degradation-Aware Optimal Design of Grid-Connected PEM Electrolyzer Hydrogen Plants	26PESGM000259	Basudev Gautam, Abdallah F. El-Hamalawy and Hany EZ Farag
4021	Green - Best Paper	Emerging Technologies Best Paper Session	Efficient full-state estimation via sparse sensors for adaptable GIL Digital Twin application	26PESGM000281	Junqi Wang, Ziqi Zhou, Wensheng Gao, Jiangang Ding and Zaixing Peng

4022	Green - Best Paper	Emerging Technologies Best Paper Session	A Practical Framework for Reliability Assessment in Transmission Systems	26PESGM000511	M Al Mamun, Kishan Prudhvi Guddanti, Alexandre Nassif, Alok Kumar Bharati, Patrick Maloney, Marcelo Elizondo, Oscar D. Garzon Rivera, Daniel Haughton, Estefania Alfaro Mejia and Taisha Rosa Ramirez
4023	Green - Best Paper	Emerging Technologies Best Paper Session	Analysis of Flicker Caused by Large Electronic Loads in Weak Power Grids	26PESGM000570	Eliot Jiménez-Ortega, Surya Santoso and Robert F. Arritt
4024	Green - Best Paper	Emerging Technologies Best Paper Session	Risk-Aware Reserve Optimization for Power Systems Under Extreme Weather Events	26PESGM000843	Luo Xu, Hongtai Zeng, Ning Lin and H. Vincent Poor
4025	Green - Best Paper	Emerging Technologies Best Paper Session	Physics Guided Reinforcement Learning for Voltage-Aware EV Charging Coordination with PV and V2G Interaction	26PESGM001097	Taniya Manzoor, Brejesh Lall and Bijaya Ketan Panigrahi
4026	Green - Best Paper	Emerging Technologies Best Paper Session	Scalable Impedance Identification of Diverse IBRs via Cluster-Specialized Neural Networks	26PESGM001208	Quang Manh Hoang, Guilherme Vieira Hollweg, Bang Nguyen, Akhtar Hussain, Wencong Su and Van-Hai Bui
4027	Green - Best Paper	Emerging Technologies Best Paper Session	Cooperation Between Grid-Forming Wind Turbine Generators and Primary Frequency Regulation	26PESGM001259	Meng Chen, Yufei Xi, Lin Cheng and Ioannis Lestas
4028	Green - Best Paper	Emerging Technologies Best Paper Session	A Multi-Agent Deep Reinforcement Learning Framework for Home Energy Management Systems with Responsive Dynamic Pricing	26PESGM001368	Chenxi Qin, Qin Wang and Zhaoyuan Wu
4029	Green - Best Paper	Emerging Technologies Best Paper Session	A mixed H _∞ -Passivity approach for Leveraging District Heating Systems as Frequency Ancillary Service in Electric Power Systems	26PESGM001781	xinyi yi and Ioannis Lestas
4030	Green - Best Paper	Grid Transformation Best Paper Session	Coordinated Relay Control Strategy for Wildfire Mitigation Without Impacting System Reliability	26PESGM000055	Kendrick Schaben
4031	Green - Best Paper	Grid Transformation Best Paper Session	GridTrust-61850: Enhancing Supply Chain Cybersecurity of IEC 61850 Digital Substations	26PESGM000459	Mansi Girdhar and Santiago Grijalva
4032	Green - Best Paper	Grid Transformation Best Paper Session	Multiwinding High-Frequency Current Transformer for Power Cable Monitoring	26PESGM000643	Christoph Andres, Martin Fritsch and Martin Wolter
4033	Green - Best Paper	Grid Transformation Best Paper Session	Timed Command Interference: A Timing-Based DoS Attack on Grid-Integrated EV Scheduling	26PESGM000658	Saba Marandi, Mohammad Mahdi Soleymani, Danial Jafarigiv, Ribal Atallah, Mohsen Ghafouri and Chadi Assi
4034	Green - Best Paper	Grid Transformation Best Paper Session	Translating Grid Code Requirements Into Control Design For Grid-Forming MMCs Under AC Faults	26PESGM000866	Xiaoxiao Liu, Geraint Chaffey, Paul Judge and Dirk Van Hertem
4035	Green - Best Paper	Grid Transformation Best Paper Session	A Novel Inherently Explainable Intrusion Detection System for Cyberattacks in Cyber-Physical Systems	26PESGM000971	Matthew Oinonen, Yusef Mahmoud and Walid Morsi
4036	Green - Best Paper	Grid Transformation Best Paper Session	Data-Driven Modelling for Battery Retrofit Feasibility Assessment of Auxiliary Loads on Short-Route Ferries	26PESGM001061	Adanna Okonkwo, Sibghat Asad, Mikko Suominen, Jani Romanoff and Mashrura Musharraf
4037	Green - Best Paper	Grid Transformation Best Paper Session	Impact of German Grid Code on Negative Sequence-based Directional Protection for Grids with Grid-Forming IBRs	26PESGM001067	Jishnudeep Kar, Reynaldo Nuqui and Venkatanaga-Amrisha Aryasomyajula
4038	Green - Best Paper	Grid Transformation Best Paper Session	Mitigation of Low-Frequency Oscillations via Oscillation-Critical Nodes Targeting in Grid-Forming Multi-Converter Systems	26PESGM001192	Feng Tan, Ruohan Leng, Liangxiao Luo, Ruipeng Guo and Huanhai Xin
4039	Green - Best Paper	Grid Transformation Best Paper Session	Trajectory Sensitivity based Identification of Critical SCR for Grid-Forming and Grid-Following Converters	26PESGM001218	BAZILAH KHAN and NILANJAN SENROY
4040	Green - Best Paper	Grid Transformation Best Paper Session	Probabilistic Reachability Analysis of Multi-scale Voltage Dynamics Using Reinforcement Learning	26PESGM001418	Naoki Hashima, Hikaru Hoshino, Luis David Pabón Ospina and Eiko Furutani
4041	Green - Best Paper	Grid Transformation Best Paper Session	Validation of Online Scanning-based Linearized IBR Models using Coherence-based Metric	26PESGM001509	Santosh Singh, Kaustav Dey, Mriganka Mukherjee and Anil Kulkarni
4042	Green - Best Paper	Grid Transformation Best Paper Session	Fidelity-Aware Dynamic Network Reduction of Distribution Grids with Heterogeneous IBRs	26PESGM001577	Hafiz Muhammad Faisal, Thomas Hamacher and Prashant Pant
4043	Green - Best Paper	Grid Transformation Best Paper Session	Non-linear Trajectory Optimization Techniques for Interconnection Compliance Applications	26PESGM001628	Rodrigo Henriquez-Auba and Jose Daniel Lara

4044	Green - Best Paper	Grid Transformation Best Paper Session	Operational Integration of Dynamic Line Rating Using IEC 60870-5-104 and CIM/CGMES	26PESGM001765	Kristjan Vilgo and Henri Manninen
4045	Green - Best Paper	Grid Transformation Best Paper Session	Virtual Impedance-based Phase Modifier for Fault Type Classification in IBR-Connected Lines	26PESGM001869	Sourav Maity, Ankit Kumar and Subhadeep Paladhi
4046	Green - Best Paper	Grid Transformation Best Paper Session	Rapid and Accurate Changepoint Detection of Power System Forced Oscillations	26PESGM001923	Luke Dosiek, Akaash Karn and Frank Liu
4047	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Curtail Renewables to Enhance Flexibility: A Regulated Forecast-based Dispatch Approach	26PESGM000128	Zhiyi Zhao, Ye Guo, Zhenjia Lin and Yinliang Xu
4048	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Non-Conforming Load Pattern Analysis	26PESGM000203	Shiuli Subhra Ghosh, Bhawuk Luthra, Jaime De La Ree and Kevin Jones
4049	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Ancillary Service Provision and Multi-market Participation of a Cement Plant under Uncertainty	26PESGM000264	Bruno Laurini, Alessandro Quattrocioni, Chresten Træholt, Shanmugam Perumal and Yi Zong
4050	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Simulation-Based Assessment of Excessive Frequency Support Behavior of Electric Vehicles	26PESGM000474	Angela Popova, Soupayan Bose, Reinaldo Tonkoski Junior, Ulrike Schönlein, Barbara Weinert and Stefan Horn
4051	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	OutageGPT: Multi-Agent Retrieval-Augmented Generation Framework for Power Outage Analysis and Prediction	26PESGM001077	Charles Alba, Fei Ding, Karthik Kumar, Utkarsh Kumar, Seong Choi and Benjamin Kroposki
4052	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Unveiling Impacts of High-PV and EV Penetrations on Conservation Voltage Reduction in Distribution Grids	26PESGM001335	Junyuan zheng, Salish Maharjan, Puskar Neupane, Bai Cui and Zhaoyu Wang
4053	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	A Reinforcement Learning-based Transmission Expansion Framework Considering Strategic Bidding in Electricity Markets	26PESGM001443	Tomonari Kanazawa, Hikaru Hoshino and Eiko Furutani
4054	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Blending Surrogates for Energy System Modeling	26PESGM001608	Hussein Genena, Anurag Mohapatra, Beneharo Reveron Baecker and Thomas Hamacher
4055	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Carbon-Aware Optimal Power Flow Considering the Carbon Footprint of Carbon Capture Power Plants	26PESGM001626	Zhuoyuan Wei, Wenhao Zhu, Zutan Ding, Jian Qiu, Chuangxin Guo and Gang Huang
4056	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Risk-Managed Local Electricity Markets for Unbalanced Distribution Networks: Mellin–Kind DLMP Modeling and Phase-Specific Contracts	26PESGM001630	Mohammad Reza Karimi Chairgh, Mohammad Reza Hesamzadeh and György Dán
4057	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Attention-GRU–Based Differential Protection for IBR-Interfaced Transformers	26PESGM001654	Ghansham Meghwar and Lina He
4058	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	A Coordinated Planning and Operational Optimization Framework for Agrivoltaic Microgrids	26PESGM001700	Guanning Li, Richard Mahuze, Qirui Long and Ke Zhang
4059	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	A Distributionally Robust Chance-Constrained Power Line De-energization Method for Wildfire Mitigation	26PESGM001743	Fasiha Zainab and Yong Fu
4060	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	A Review of System Strength Metrics for Inverter-based Power Systems	26PESGM001798	Trager Joswig-Jones, Shuan Dong, Jin Tan, Di Wu and Baosen Zhang
4061	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Attention-Enhanced Graph Convolutional Network for Multi-Period Optimal Power Flow	26PESGM001853	Liheng Lyu and Rui Bo
4062	Green - Best Paper	Power System Operation, Planning, and Economics Best Paper Session	Deterministic Two-Stage Transmission Expansion Planning Integrated with Security-Constrained Unit Commitment: An Efficient Hybrid Decomposition Method	26PESGM001910	Ahmad Heidari and Rui Bo

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5001	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	A Regional Flexibility Estimation Tool Using Open Data, AI-based Timeseries Modelling and Optimization	26PESGM000102	Robert Ellis, Masatoshi Kumagai, Yosuke Yamaguchi, Yusuke Funaya and Takehiro Hagiwara
5002	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Energy Management for Airport Thermo-Electrical Microgrids: A Physics-Based RL Approach	26PESGM000210	Pablo Verdugo-Rivadeneira, Mehrdad Pirnia, Claudio A. Cañizares and Gonzalo E. Constante-Flores
5003	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Enhancing Active Power Regulation of VSM through Impedance Estimation-Aided Feedforward Control	26PESGM000257	Jaeyoung Park
5004	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	A Novel Fixed Time Supertwisted Integral Synergetic Control for Vehicle-to-Load operation of Electric Vehicles	26PESGM000279	Hafiz Mian Muhammad Adil, Hassan Abbas Khan and Mashood Nasir
5005	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Mitigating Data Centers Load Risks and Enabling Grid Support Functions through Grid-Forming Control	26PESGM000284	Yousef Abudyak, Mohsen Alizadeh and Wei Sun
5006	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Controller for Fast Frequency Response from Variable Frequency Induction Motor Drives with Centrifugal Torque Loads	26PESGM000339	Zarka Mirza and Himanshu Jain
5007	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Real-World Implementation of Adaptive Secondary Proportional Power Sharing in the Industry-Grade CMR Microgrid: A Case Study	26PESGM000386	Rakesh Shamrao Patekar, Mohanad Elsayed, Mohamed M. Zakaria Moustafa, Mahmoud Kabalan, Renuka Loka and Thomas Bozada
5008	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	ADMM Penalty Parameter Evaluation for Networked Microgrid Energy Management	26PESGM000414	Jesus Silva-Rodriguez and Xingpeng Li
5009	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	A Software-Defined Networking Framework for Resilient Power Sharing in Multiple Microgrids with Hardware Implementation	26PESGM000418	Rawan Taha, Ahmed Aghmadi, Ahmed Ibrahim , Sara Moustafa and Osama Mohammed
5010	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	GCN-Based Model for Fault Classification in Distribution Networks under Harmonic Distortion	26PESGM000579	Fathima Razeeya Mohamed Razick, Syed Muhammad Ahsan and Petr Musilek
5011	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Comparative Modal Analysis of Grid-Following and Grid-Forming Control in a Type-3 Wind Power Plant with a Series Compensated Grid	26PESGM000654	Marcos Garcia, Dmitry Rimorov and Richard Gagnon
5012	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Coordinated Power Control for Autonomous Power Balancing of Offshore Wind-Hydrogen Systems	26PESGM000782	Chunjun Huang, Xin Jin and Jose Luis Rueda Torres
5013	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Addressing Zero Sequence Continuity for DER Connections with High Impedance Grounded Utility Interconnection Transformers	26PESGM000888	Keaton Wheeler and Kyle Hawkings
5014	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Robust and Scalable Federated AC WLS State Estimation via Decentralised Consensus	26PESGM000955	Adnan Anwar
5015	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Benefits of HVDC Interconnection on Outage Mitigation in Puerto Rico	26PESGM000978	Mohsen Sheikholeslamzadeh, Chenxi Lin, Daniel Hernandez and Tirso Selman Rivera
5016	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Real-Time EMT Model Tuning Through Co-Simulation of Optimization Algorithms: Case Studies of a Microgrid Controller	26PESGM001011	Thomas Holliday, Renuka Loka, Mohanad Elsayed, Mahmoud Kabalan, Mohamed M. Zakaria Moustafa and Thomas Bozada
5017	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Screening and Guidelines for Unintentional Islanding Protection in Distributed Energy Resources	26PESGM001018	Sarah Allahmoradi, Keaton A Wheeler, Michael E Ropp , Yiwei Ma and Tom Key
5018	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Controller Gain Selection for Microgrids with Multiple Operating Modes	26PESGM001161	T.G. Roberts, Samyuktaa Rajnarayanan and Alejandro Dominguez-Garcia
5019	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Synchro-Waveform State Estimation: Formulation, Closed-Form Solution, and Robustness	26PESGM001231	Hossein Mohsenzadeh-Yazdi, Mahnoosh Alizadeh and Hamed Mohsenian-Rad
5020	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	LVRT-Compliant Control of Three-Phase Grid-Connected Module-Integrated Converters Using Chaos Game Optimization	26PESGM001320	Samiul Alam, MD Arif Hossain, Fahad S. Al-Ismael, Abdulaziz M Qwbaiban and Mohamma A. Abido

5021	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Safe Decentralized Operation of EV Virtual Power Plant with Limited Network Visibility via Multi-Agent Reinforcement Learning	26PESGM001366	Chenghao Huang, Jiarong Fan, Weiqing Wang and Hao Wang
5022	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Life Cycle Assessment of Water-Sourcing Strategies for Data Centres Under a Decarbonizing UK Grid	26PESGM001497	Zhenyu Zhao, David Renfrew, Joao Ribeiro, Shengyi Wang and Evina Katsou
5023	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Real-time Implementation of a Delay Compensation Block in the Power Plant Controller of a Renewable Energy Complex using MLPNN	26PESGM001510	Abhilash Sen, Swakshar Ray and Ebin Mathew
5024	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Voltage and Frequency Stability Analysis of Transmission Power Grids with EV Charging Stations	26PESGM001572	Akib Mostabe Refat, Mohammed Fadht Al-Mashdali, Alan Cordic, Abdulaziz Qwbaiban, Emad Abukhousa, Kazi Nazmul Hasan, Mohamed Ali Abido and Mohammed Al-Muhaini
5025	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Emulation of Large Wind Turbines Aerodynamics on Lab Scale DFIG Machines	26PESGM001584	Gurunath Gurralla, Shivam Gothi, Shashank S and Sri R Kolla
5026	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Analysis of Sub-Synchronous Oscillations Induced by AI Data Centers and Damping Enhancement Using Grid-Forming Inverters	26PESGM001703	Ali Azizi, Abolfazl Babaei, Anuoluwapo Aluko, Reza Salehi and Hasan Bayat
5027	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Frequency Control Services from Scaled-up Hydrogen Electrolysis Plants Considering Power Dispatch Strategies	26PESGM001731	Ridma Wijethunga, Behrooz Bahrani and Mehdi Ghazavi Dozein
5028	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Small Nuclear Reactors in Microgrids: Modeling and Flexibility Provision	26PESGM001751	Yemi Ojo, Bikash Poudel, Timothy McJunkin and Ning Kang
5029	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Demonstration of 17 Industry-Grade Controllers and Relays in a Typhoon Hardware-in-the-Loop Testbed for Microgrid and Grid Modernization Applications: A Case Study	26PESGM001754	Rakesh Patekar, Mohamed M. Zakaria Moustafa, Mahmoud Kabalan, Murilo Almieda, Matt Baker, Ivan Celanovic and Thomas Bozada
5030	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Cloud-Based Framework for Operation and Control of Distributed Energy Resources	26PESGM001787	Alaaeldein Abdelkader, Abdelrahman Abdelkader, Mohammed Benidris and Joydeep Mitra
5031	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Towards Learning-Enhanced Distributed Resilient and Safe Control of DC Microgrids Under False Data Injection Attacks	26PESGM001841	Mohamadamin Rajabinezhad, Alaa Selim, Suining He, Junbo Zhao and Shan Zuo
5032	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Type-III Wind Turbine with GFM Features at the Rotor Terminals	26PESGM001891	Md Sabbir Haider Khan, Hasan Bin Tarique and E S N Raju P
5033	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	Modeling, Analysis, and Experimental Validation of Inverter Fault Response under Grid Disturbances	26PESGM001932	Rasel Mahmud and James Cale
5034	Yellow Section	Grid & Emerging Technologies Coordinating Committee Poster Session	EV Charging Power Optimization in Smart Grids Using Interval Type-2 Fuzzy Control	26PESGM001944	Rayhaneh Jahanian, Afshin Rezaei-Zare and Saeed Manshadi

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7001	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Comprehensive Full-Scale Converter Wind Park Initialization for Electromagnetic Transient Studies	26PESGM000006	Juan Antonio Ocampo Wilches, Jean Mahseredjian, Keijo Jacobs, Ahda G. Pavani and Haoyan Xue
7002	Purple - Transactions	Accepted PES Transactions Papers Poster Session	General Multi-Phase Element-Based Load Flow for AC–DC Power Systems	26PESGM000008	Shima Bagher Zade Homayie and Bala Venkatesh
7003	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Comprehensive Evaluation and Testing of Multi-Phase Line-Wise Power Flow Method for Unbalanced AC Power Systems	26PESGM000009	Shima Bagher Zade Homayie and Bala Venkatesh
7004	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Enhanced Root Mean Square Model for Electric Vehicle Chargers: Addressing Balanced Faults With Multi-Manufacturer Variability	26PESGM000026	Muneki Masuda and Hayato Satoh
7005	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Detailed Nonlinear Modeling and High-Fidelity Parallel Simulation of MMC With Embedded Energy Storage for Wind Farm Grid Integration	26PESGM000027	Ning Lin, BINGRONG SHANG and VENKATA DINAVAH
7006	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Partial Refactorization Techniques for Electromagnetic Transient Simulations	26PESGM000030	Boris BRUNED, Anas ABUSALAH, Jean MAHSEREDJIAN, Sébastien DENNETIERE and Omar SAAD
7007	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Compensation Method, Diakoptics, and MATE	26PESGM000031	Jean MAHSEREDJIAN, Boris BRUNED and ANAS ABUSALAH
7008	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Real-Time Digital-Twin of Thorium-Based Molten Salt Breeder Reactor for Closed-Loop Controller Testing Applications	26PESGM000040	Xinyu Zhao, Weiran Chen and Venkata Dinavahi
7009	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Massively Parallel Hybrid TLM-PEEC Solver and Model Order Reduction for 3D Nonlinear Electromagnetic Transient Analysis	26PESGM000042	Madhawa Ranasinghe and Venkata Dinavahi
7010	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Real-Time Digital-Twin for Synergistic Interaction of SMRs and Sustainable Power Systems	26PESGM000043	Weiran Chen, Ning Lin and Venkata Dinavahi
7011	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Safe Deep Reinforcement Learning for Resilient Self-Proactive Distribution Grids Against Wildfires	26PESGM000044	Ahmed Shalaby, Hussein Abdeltawab and Yasser Mohamed
7012	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Equity-Oriented Two-Stage Market Clearing With Differentiated LMPs to Mitigate Energy Overburdens on Disadvantaged Communities	26PESGM000078	Zexin Liu, Philip Odonkor and Lei Wu
7013	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Automated Fast Frequency Response From Inverter-Based Motor Loads	26PESGM000089	Zarka Mirza and Himanshu Jain
7014	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Sizing and Implementation of Phase-Shifting Transformer for Congestion Management in Renewable-Rich Regions: A Case Study of the Croatian Power Grid	26PESGM000098	Ivana Hrgovic and Ivica Pavic
7015	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Adaptive Robust Load Restoration via Coordinating Distribution Network Reconfiguration and Mobile Energy Storage	26PESGM000112	Ruipeng Xu, Cuo Zhang, Daming Zhang, ZhaoYang Dong and Christine Yip
7016	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Lithium-Ion Battery State of Charge Estimation with Adaptability to Changing Conditions	26PESGM000115	Zhan Meng, Kofi Afrifa Agyeman and Xiaoyu Wang
7017	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Coordinated Adaptive SMC Method for Frequency Regulation Control in Power Systems With Multiple Wind Farms	26PESGM000126	Nan Zhang, Zheren Zhang and Zheng Xu

7018	Purple - Transactions	Accepted PES Transactions Papers Poster Session	SAS-PINN: An Enhanced Physics-Informed Neural Network for 2-D Time-Domain Electromagnetic Field Computation of Power Transformer	26PESGM000140	Ruimin Zhu, Xutao Cong, Shiyu Pu, Ning Lin and Venkata Dinavahi
7019	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Traveling Wave Differential Protection Technology and Its Application in Ultra-Long-Distance UHVDC Transmission Line	26PESGM000141	Xinzhou Dong, Haozong Wang, Binshu Chen, Boliang Jin, Xinyuan Li, Qihuan Dong, Shenxing Shi, Bin Wang, Pengfei Lv, Guoming Qian, Fufeng Chen, Zhanfeng Fan, Baowei Li, Min Xie and Xiaoping Feng
7020	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Logarithmic Resilience Risk Metrics That Address the Huge Variations in Blackout Cost	26PESGM000148	Arslan Ahmad and Ian Dobson
7021	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Robust State Estimation for Distribution Systems via Graph Signal Processing	26PESGM000168	Xiaokang Lai, Tannan Xiao, Lifu Ding, Ying Chen and Shaowei Huang
7022	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Distribution Dynamic Operating Security Space Characterization for Aggregation and Congestion Capacity Evaluation of Virtual Power Plant	26PESGM000183	Meng Song, Zekai Xu, Ciwei Gao, Mingyu Yan and Qinran Hu
7023	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Disaggregating Distributed PV Power from Aggregate Measurements in Transmission Systems	26PESGM000187	Hediyeh Safari, Claudio A. Cañizares, Daniel Sohm, Elyas Ahmed, Ismael El-Samahy and Maurice Dussault
7024	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Computationally Efficient Modeling of Resistance-Grounded Electrically Short DC Cables	26PESGM000190	Milad Ghazizadeh, Anestis Dounavis and Firouz Badrkhani Ajaei
7025	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Weakly Supervised Battery SOH Estimation with Imprecise Intervals	26PESGM000196	Tianjing Wang, Chao Ren, Zhao Yang Dong and Lei Feng
7026	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Fast Pilot Protection for DC Distribution Networks Considering the Whole Fault Process	26PESGM000224	Zainan Li, Niancheng Zhou, Qianggang Wang, Ke Jia, Nengqiao Wei and Jiandong Duan
7027	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Model Predictive Control Framework for Combining Energy Arbitrage and Power Quality Applications From Energy Storage Systems	26PESGM000226	Ujjwol Tamrakar, Nirranjan Bhujel, Tu Nguyen, Raymond Byrne and Babu Chalamala
7028	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Grid-Supporting HVDC System With Low-Voltage Energy Storage for Renewables Integration	26PESGM000262	Huangqing Xiao, Qiluan Yang, Qionghai Zhu and Lidong Zhang
7029	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Day-ahead Scheduling and Online Dispatch of Energy Hubs: A Flexibility Envelope Approach	26PESGM000277	Songjie Feng, Wei Wei and Yue Chen
7030	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Power Swing Trajectory Influenced by Virtual Impedance-Based Current-Limiting Strategy	26PESGM000287	Yanshu Niu, Zhe Yang and Bikash Pal
7031	Purple - Transactions	Accepted PES Transactions Papers Poster Session	The statistical spread of transmission outages on a fast protection time scale based on utility data	26PESGM000297	Ian Dobson, Daniel Adrian Maldonado and Mihai Anitescu
7032	Purple - Transactions	Accepted PES Transactions Papers Poster Session	<i>An Improved Probe Power Unit (PPU) based Fault Location Estimation in Low-Voltage DC Microgrids</i>	26PESGM000306	Vandan Raj Kamal Aluri and S Samantaray
7033	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Control Strategy of Multi-Terminal Grid-Forming Soft Open Point for Uninterrupted Power Supply Under Feeder Power Outages	26PESGM000341	YiLan YU, Lei Shang and Xuzhu Dong
7034	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Hybrid Energy Storage Integrated Wind Energy Fed DC Microgrid Power Distribution Control and Performance Assessment	26PESGM000344	PRADYUMNA KUMAR BEHERA and MONALISA PATNAIK

7035	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Reliability Indexes for Variable Energy Resource Generation in IEEE Standard 762-2023	26PESGM000387	Douglas Logan, Fred Beasom, Murty Bhavaraju, Francis Bell, Lee Thaubald, Kai Jiang and Chris Dent
7036	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Resilience-Oriented DG Siting and Sizing Considering Energy Vulnerability Constraint	26PESGM000419	Chenchen Li, Fangxing Li, Sufan Jiang, Jin Zhao, Shiyuan Fan and Leon Tolbert
7037	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Digital Battery Energy Storage System Based on Dynamic Reconfigurable Network: A Real Case Study	26PESGM000439	Congjia Zhang, Yanglin Zhou, Chongqing Kang and Song Ci
7038	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Asynchronous Decomposition Method for the Coordinated Operation of Virtual Power Plants	26PESGM000446	Qi Wang and Wenchuan Wu
7039	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Towards hydrogen-powered electric aircraft: Physics-informed machine learning based multi-domain modeling and real-time digital twin emulation on FPGA	26PESGM000467	Songyang Zhang and Venkata Dinavahi
7040	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Assessing the Impact and Quantifying the Value of Flexibility in Transactive Distribution Systems	26PESGM000483	Timur Sayfutdinov, Charalampos Patsios, David Greenwood, Danny Pudjianto, Goran Strbac, Meltem Peker and Ilias Sarantakos
7041	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Optimal Sizing of Hybrid Power Plants Considering Multiple Electricity Market Participation	26PESGM000494	Megha Gupta, Juan Pablo Murcia Leon and Kaushik Das
7042	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Interpretable Augmented Ambiguity Set for Quantifying Regional Wind Power Uncertainty in Distributionally Robust Optimal Dispatch	26PESGM000500	Zhuo Li, Lin Ye, Ming Pei, Xuri Song, Yadi Luo, Yong Tang and Geert Deconinck
7043	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Examination of EMT-Type Impedance Scanning Techniques for Small Signal Stability Assessment of Inverter Based Resources	26PESGM000510	Lei Meng, Ullas Karaagac, Ahda Pavani, Jean Mahseredjian and Keijo Jacobs
7044	Purple - Transactions	Accepted PES Transactions Papers Poster Session	SiC-MOSFET-Based High Voltage Pulse Generator for Testing Motor Insulation Used in EVs	26PESGM000518	Ali Kholgh Khiz and Shesha Jayaram
7045	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Transient Stability of Power Synchronization Loop Based Grid Forming Converter	26PESGM000533	Yujun Li, Yiyuan Lu, Jialun Yang, Xiaotian Yuan, Rui Yang, Songhao Yang, Hua Ye and Zhengchun Du
7046	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Problem-Driven Scenario Reduction Framework for Power System Stochastic Operation	26PESGM000538	Yingrui Zhuang, Lin Cheng, Ning Qi, Mads Almassalkhi and Feng Liu
7047	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Sequential Tripping Protection Scheme for Single Pole-to-Ground Faults in Ring-Structure Medium Voltage DC Grid	26PESGM000546	Gvan Chun Cho, Seul-Ki Kim, Gyeong-Hun Kim and Jihui Hwang
7048	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Grid-Aware Real-Time Dispatch of Microgrid with Generalized Energy Storage: A Prediction-Free Online Optimization Approach	26PESGM000549	Kaidi Huang, Lin Cheng, Ning Qi, Wenzhong Gao, Asad Mujeeb and Qinglai Guo
7049	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Quantum Annealing based Power Grid Partitioning for Parallel Simulation	26PESGM000553	Carsten Hartmann , Junjie Zhang, Carlos D. Gonzalez Calaza, Thiemo Pesch, Kristel Michielsen and Andrea Benigni
7050	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Learning Data-Driven Uncertainty Set Partitions for Robust and Adaptive Energy Forecasting with Missing Data	26PESGM000573	Akylas Stratigakos and Panagiotis Andrianesis
7051	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Multi-Target Control Technique for DFIG Under Unbalanced Voltage	26PESGM000620	Jitendra Kumar Mahawar, Mohit Sehrawat, Gururaj Mirle Vishwanath and Saikat Chakrabarti

7052	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Modeling and Remedies for Rare-Earth Permanent Magnet Demagnetization Effects in Hybrid Permanent Magnet Variable Flux Motors	26PESGM000673	Bassam Abdel-Mageed, Akrem Aljehaimi and Pragasen Pillay
7053	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Unified Model for Smart Meter Data Applications	26PESGM000698	Zhenyi Wang, Hongcai Zhang and Geert Deconinck
7054	Purple - Transactions	Accepted PES Transactions Papers Poster Session	AI-accelerated physics-informed transient real-time digital-twin of SMR-based multi-domain submarine power distribution	26PESGM000699	Songyang Zhang, Weiran Chen, Yuzhong Zhang and Venkata Dinavahi
7055	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Robust Deep Reinforcement Learning for Volt-VAR Optimization in Active Distribution System under Uncertainty	26PESGM000729	Zhengrong Chen, Siyao Cai and Sakis Meliopoulos
7056	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Net Load Forecast Error Compensation for Peak Shaving in a Grid-Connected PV Storage System	26PESGM000733	Rampelli Manojkumar, Chandan Kumar, Sanjib Ganguly and João Catalão
7057	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Probabilistic Approach to Voltage Security Assessment with High Penetration of Renewable Generation	26PESGM000790	Maiara Oliveira, Rodrigo Ramos, Luis Fernando Alberto and Ahda Pavani
7058	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Identification of Critical Parameters for AC Fault Response of Modular Multilevel Converters with Partially Black-Boxed Control	26PESGM000867	Xiaoxiao Liu, Willem Leterme, Paul Judge, Geraint Chaffey and Dirk Van Hertem
7059	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Power Capacity Allocation Among Multiple Renewable Power Plants: A Perspective from System Strength	26PESGM000877	Yun Liu and Jizhong Zhu
7060	Purple - Transactions	Accepted PES Transactions Papers Poster Session	An Outlier-Based Single-Ended Protection Scheme for Multi-Terminal MMC-HVDC Grids Based on Hilbert-Huang Transform	26PESGM000885	Mohamed Radwan and Sahar Pirooz Azad
7061	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Energy Management of Multi-Energy Communities: A Hierarchical MIQP-Constrained Deep Reinforcement Learning Approach	26PESGM000896	Ahmed Shaban Omar and Ramadan El-Shatshat
7062	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Microgrid Islanding Detection Using D-PMU and Phase Angle Analysis of Negative Sequence Impedance	26PESGM000931	Asim Chaulagain, Ramakrishna (Rama) Gokaraju, Nurul Chowdhury and Krish Narendra
7063	Purple - Transactions	Accepted PES Transactions Papers Poster Session	A Hybrid Imitation–Reinforcement Learning Framework for Optimal Operation of Soft Open Points in Unbalanced Distribution Networks	26PESGM000958	Shoaib Hussain, Mostafa Farrokhbabadi and Hamidreza Zareipour
7064	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Probability Density Function Control of Frequency Fluctuations in Uncertainty-Rich Power Systems	26PESGM000970	Yonghao Gui, Hong Wang, Xiaoran Zha and Yaosuo Xue
7065	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Two-Stage Linearization of Frequency Nadir Constraint for Unit Commitment	26PESGM000980	Qingxin Shi, Yanren Zhu, Ke Fan, Rui Cheng, Jialin Shen and Wenxia Liu
7066	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Optimizing Parameters of the LinDistFlow Power Flow Approximation for Distribution Systems	26PESGM001004	Babak Taheri, Rahul Gupta and Daniel Molzahn
7067	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Hybrid tri-level optimal sizing of hydrogen storage for addressing long-term seasonal fluctuation of RES	26PESGM001021	Qianwen Hu, Gengfeng Li, Bingkai Huang, Qiming Yang, Siyuan Sun, Zhaohong Bie, Jianzhong Wu, Yue Zhou and Yiheng Bian
7068	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Long-Term Hydrothermal Bid-Based Market Simulator	26PESGM001022	Joaquim Dias Garcia and Alexandre Street
7069	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Damping Turning Rule of Virtual Synchronous Generator for Global StabilityDamping Turning Rule of Virtual Synchronous Generator for Global Stability	26PESGM001024	Jiapeng Li, Yujun Li, Zhengchun Du, Zhao Xu and Zhaoyang Dong

7070	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Modeling and Control of a Boiling Water Small Modular Reactor Cogeneration System for District Heating Applications	26PESGM001054	Muhammad Abuelhamd, Claudio Cañizares, Daniel Sohm, Elyas Ahmed and Ismael El-Samahy
7071	Purple - Transactions	Accepted PES Transactions Papers Poster Session	An Equity-Aware Residential EV Charging Control	26PESGM001093	P Amritansh Naidu, Ankit Singhal and Bijaya Ketan Panigrahi
7072	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Stability Assessment of Multi-rate Electromagnetic Transient Simulations	26PESGM001118	Ajinkya Sinkar, Kaustav Dey, Huanfeng Zhao and Aniruddha Gole
7073	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Incorporating DSO's Situational Awareness in Resilience-Oriented Distribution System Planning	26PESGM001314	Fatemeh Rajaei, Mohammad Amin Latify and Akbar Ebrahimi
7074	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Limitations of Fault-Tolerant Quantum Linear System Solvers for Quantum Power Flow	26PESGM001374	Parikshit Pareek, Abhijith Jayakumar, Carleton Coffrin and Sidhant Misra
7075	Purple - Transactions	Accepted PES Transactions Papers Poster Session	An Unsupervised Physics-Informed Neural Network Method for AC Power Flow Calculations	26PESGM001389	Bozhen JIANG, Chenxi QIN and Qin WANG
7076	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Quantum Computing for Stochastic Economic Dispatch in Renewables-Rich Power Systems	26PESGM001520	Xutao Han, Zhiyi Li, Wei Gu and Mohammad Shahidehpour
7077	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Faster-Than-Real-Time Hardware Emulation of Transients and Dynamics of a Grid of Microgrids	26PESGM001590	Shiqi Cao, Ning Lin and Venkata Dinavahi
7078	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Large Language Model for Smart Inverter Cyber-Attack Detection via Textual Analysis of Volt/VAR Commands	26PESGM001649	Alaa Selim
7079	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Adaptive Dynamic State Estimation in Power Systems With Real-Time Y-Bus Matrix Estimation: A Step Toward Greater Practicality	26PESGM001705	Shahin Riahinia, Amir Ameli, Mohsen Ghafouri and Abdulsalam Yassine
7080	Purple - Transactions	Accepted PES Transactions Papers Poster Session	Machine Learning Based Transient Stability Emulation and Dynamic System Equivalencing of Large-Scale AC-DC Grids for Faster-Than-Real-Time Digital Twin	26PESGM001723	Shiqi Cao, Ning Lin and Venkata Dinavahi

Poster Board Number	Section	Session Name	Committee Poster Title	Sponsoring Committee / Working Group / Subcommittee	Main Committee
6001	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Switchgear Standards Committee	Switchgear Standards Committee	Switchgear Committee (SWG)
6002	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Energy Development and Power Generation Committee	Energy Development and Power Generation (EDPG) Committee	Energy Development and Power Generation Committee (EDPG)
6003	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Technical Committees: Transformers	Transformers Committee	Transformers Committee (TR)
6004	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	IEEE PES Transmission and Distribution Committee: Highlights of Current And Planned Activities	IEEE PES Transmission and Distribution Committee	Transmission and Distribution Committee (T&D)
6005	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Digital Twin of Large Scale Power Systems	Task Force on Digital Twin of Large Scale Power Systems	Power System Operation, Planning and Economics Committee (PSOPE)
6006	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	AI-Enabled Resilience of Cyber-Physical Energy Systems (CPES): Vision, Framework, and 2025–2028 Research Roadmap	IEEE PES Energy Internet Coordinating Committee (EICC) – Task Force on AI-Enabled Resilience of Cyber-Physical Energy Systems	Energy Internet Coordinating Committee (EICC)
6007	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	SBLCS Technical Committee Overview	SMART BUILDINGS, LOADS AND CUSTOMER SYSTEMS COMMITTEE (SBLCS)	Smart Buildings, Loads and Customer Systems (SBLCS)
6008	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Reliability Indexes for Variable Energy Resource Generation in IEEE Standard 762-2023	Reliability, Risk and Probability Applications Subcommittee	Analytic Methods for Power Systems Committee (AMPS)
6009	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Artificial Intelligence for Power Systems Coordinating Committee (AIPSCC)	Artificial Intelligence for Power Systems Coordinating Committee (AIPSCC)	Artificial Intelligence in Power Systems Coordinating Committee
6010	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Nuclear Power Engineering Committee	NPEC	Nuclear Power Engineering Committee (NPEC)
6011	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Latest Development in Power System Restoration to Enhance Power Grid Resilience	PSOPE, BPSO, Working Group on Power System Restoration	Power System Operation, Planning and Economics Committee (PSOPE)
6012	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	PSDP in a nutshell	Power System Dynamic Performance	Power System Dynamic Performance Committee (PSDP)
6013	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	Secure, Trustworthy and Resilient Intelligence: The Role of Big Data & Analytics in Cyber-Secured Power & Energy Systems	Task Force on Big Data and Analytics for Security and Resilience of Power Systems	Analytic Methods for Power Systems Committee (AMPS)
6014	Orange Section - Committee Working Group	PES Technical Committee Working Group Poster	FACTS and HVDC Stations Subcommittee	FACTS and HVDC Stations Subcommittee	Substations Committee (SUB)