

Poster Board Number	Paper Number	Paper Title	Authors
1	23GET000006	The Intelligent Grid: Integrating Data from All Sources for Use by All Applications	Andrew West
2	23GET000016	Applying Edge Computing to Distribution Automation	James Stoupis
3	23GET000017	Improving Utility Cables Diagnostics and Prognostics using Machine Learning	Shishir Shekhar and Shashwat shekhar
4	23GET000019	Tracking Periodic Voltage Sags via Synchrophasor Data in a Geographically Bounded Service Territory	Xin Xu, Luigi Vanfretti, Chetan Mishra, Brian Starling, Kevin D. Jones and Matthew Gardner
5	23GET000021	Generator Aggregation and Power Grid Stability	John Moloney, Sam Williamson and Cameron Hall
6	23GET000022	Development of a NARX State-of-Charge Predictor based on Active Power Demand	Alexander Crain, Eldrich Rebello, Adam Sherwood and Darren Jang
7	23GET000024	Smart Electric Energy District (SEED): Analysis of a Senior Housing Campus in Pittsburgh	Elizabeth Cook, Jessica Valentine, Katrina Kelly-Pitou, Sabrina Nguyen and William Thai
8	23GET000025	Quantifying Transformer and Cable Degradation in Highly Renewable Electric Distribution Circuits	Weixi Wang, Robert Flores, Ghazal Razeghi and Jack Brouwer
9	23GET000026	Power Flow Control Via Effective Dispatch of Modular FACTS Devices	Sogol Babaeinejadsarookolae, Tom Nudell, Daniel Schweer and Medha Subramanian
10	23GET000027	Incremental Subgradient Method for EVs Smart Charging Flexibility in Wholesale Energy Markets	Sebastian Montes de Oca, Pablo Monzon and Pablo Belzarena
11	23GET000029	EV Hosting Capacity and Voltage Unbalance: An Australian Case Study	Yushan Hou, Jing Zhu, Michael Z Liu, William J Nacmanson and Luis F Ochoa
12	23GET000032	Development, Demonstration, and Validation of Power Hardware-in-the-loop (PHL) Testbed for DER Dynamics Integration in Southern California Edison (SCE)	Md Arifujaman, Roger Salas, Anthony Johnson, Jorge Araiza, Farhad Elyasichamazkoti, Ahmadrza Momeni, Shadi Chuangpishit and Farid Katiraei
13	23GET000034	Detection of Floating Neutral Condition in a Form 2S Electric Meter	Ibon Vicente Figueirido, Lakshan Piyashinghe and Larry Kremer
14	23GET000035	Cost-benefit Analysis of Grid-Supportive Loads for Fast Frequency Response	Sunil Subedi, Michael Blonsky, Yeongrack Son and Barry Mather
15	23GET000036	Parallel Line Resonance Between Interagency Transmission Lines and the Effect on a De-Energized Line with Fixed Shunt Reactance	Sam Ashmore, Mehrdad Majidi and Mehdi Etezadi-Amoli
16	23GET000043	A Resilience-Driven Battery Energy Storage System Sizing Strategy for Grid Edge Radial Supplies	Alexandre Nassif
17	23GET000044	Modeling and Measurement of Load Rejection Overvoltage of Inverter-Based Resources Interconnected to Distribution Feeders	Alexandre Nassif and Keaton Wheeler
18	23GET000047	Maximum likelihood estimation of distribution grid topology and parameters from Smart Meter data	Lisa Laurent, Jean-Sébastien Brouillon and Giancarlo Ferrari-Trecate
19	23GET000048	Integration of a Smart Outlet-Based Plug Load Management System with a Building Automation System	Keaton Chia, Amy LeBar, Vardhan Agarwal, Mandy Lee, Joe Ikedo, Jesse Wolf, Kim Trenbath and Jan Kleissl
20	23GET000050	Effectively Managing Today's Transformer Challenges for Increased Asset Reliability & Sustainability	Traci Hopkins
21	23GET000052	Emerging Coordinated Cyber-Physical-Systems Attacks and Adaptive Restoration Strategies	Mazhar Ali, Xue Gao, Airin Rahman, Md Musabbir Hossain and Wei Sun
22	23GET000065	Volt-VAr Optimization of PV Smart Inverters in Unbalanced Distribution Systems	Zahra Soltani, Shanshan Ma, Mohammad Ghaljehei and Mojdeh Khorsand
23	23GET000070	Time Series Classification for Detecting Fault Location in a DC Microgrid	Samuel Ojetola and Matthew Reno
24	23GET000072	Effective Microgrid Optimal Dispatch Settings	Mohammad Farajollahi, Aslan Mojallal and Mohammad R. Dadash Zadeh
25	23GET000075	Real-Time T&D Co-Simulation for Testing Grid Impact of High DER Participation	Victor Daldegan Paduani, Rahul Kadavil, Hossein Hooshyar, Aboutaleb Haddadi, AHM Jakaria and Aminul Huque
26	23GET000082	A scalable method for probabilistic short-term forecasting of individual households consumption in low voltage grids	Lola Botman, Jesus Lago, Thijs Becker, Mauricio Agudelo, Koen Vanthournout and Bart De Moor
27	23GET000083	Adaptive Chance Constrained MPC under Load and PV Forecast Uncertainties	Avik Ghosh, Cristian Cortes-Aguirre, Yi-An Chen, Adil Khurram and Jan Kleissl
28	23GET000085	Estimating the Output of Behind the Meter Solar Farms by Breaking Irradiance Data into its Diffuse and Direct Components	Conner Ozatalar, Rabia Ahmad, Phillip Pambuh and Harshil Shah
29	23GET000086	Grid-Edge Dynamic Volt-VAr Control Solution to Mitigate System Impacts Caused by Vast EV Charging Infrastructure Integration	Roosbeh Karandeh, Hong Chun and Damien Tholomier

30	23GET000087	A Novel Resilience-Oriented Cellular Grid Formation Approach for Distribution Systems with Behind-the-Meter Distributed Energy Resources	Utkarsh Kumar and Fei Ding
31	23GET000088	Safety, Reliability and Efficiency – beyond the grid edge	HUGH BORLAND and Mike McCormack
32	23GET000091	Short-term load forecasting using UK non-domestic businesses to enable demand response aggregators’ participation in electricity markets	Maitha Al Shimmari
33	23GET000093	Surplus energy in solar home systems as driver for bottom-up grids: When grids emerge from the edge	Ida Fuchs, Sergio Balderrama, Pedro Crespo del Granado, Sylvain Quoilin and Jayaprakash Rajasekharan
34	23GET000094	Adaptive approach for primary frequency support by wind turbines based on grid code requirements and turbines limitations	Bashar Melhem and Steven Liu
35	23GET000095	Techno-Economical Comparison of MVAC and MVDC Micro-Grids with High PV Penetration	Yiming Chen, Santiago Grijalva and Lukas Graber
36	23GET000096	Security and Trust Metrics for Edge Computing	John Acken, Naresh Sehgal, Divya Bansal and Robert Bass
37	23GET000097	Comparative Life Cycle Assessment of SF₆-based SP-3 and SF₆-free Eco 145kV Gas Insulated Switchgears	Kedar Pandya, Javier Mantilla and Manuel Gotti
38	23GET000098	Testing Challenges and Approaches for DERMS Deployment	Syed Qaseem Ali, Shadi Chuangpishit, Farid Katiraei, Chad Abbey and Samrat Datta
39	23GET000099	AdaBoost-based Cyberattack Detection Algorithm for Battery Systems Providing Frequency Regulation	Nina Kharlamova, Chresten Traehold and Seyedmostafa Hashemi
40	23GET000100	Joint Resource Modeling and Assessment for Hybrid Distributed Solar and Wind Systems	Wenqi Zhang, Cong Feng and Bri-Mathias Hodge
41	23GET000102	Enhancing Conservation Voltage Reduction with Grid Edge Volt-VAr Control	Rahul Jha, Wen Fan, Paul Pabst, Youqi Guo and Hong Chun
42	23GET000103	Energy Management of Ultra Fast Charging Stations	Sony Susan Varghese, Syed Qaseem Ali and Geza Joos
43	23GET000106	Adaptive-Extremum Seeking Method for Impedance Identification in Distribution Grids	Taha Saeed Khan and Hamidreza Nazari-pouya
44	23GET000107	Non-intrusive Monitoring of Edge-level Cryptocurrency Mining in Power Distribution Grids	Ranyu Shi, Ali Menati and Le Xie
45	23GET000109	Network of Microgrids: Opportunities and Challenges	Kyle Skeen and Ganesh Venayagamoorthy
46	23GET000110	Federated Learning vs Edge Learning for Hot Water Demand Forecasting in Distributed Electric Water Heaters for Demand Side Flexibility Aggregation	Surya Pandiyan and Jayaprakash Rajasekharan
47	23GET000112	Optimal Defense Strategy Against Load Redistribution Attacks under Attacker’s Resource Uncertainty: A Trilevel Optimization Approach	Jinshun Su, Chengzhi Xie, Payman Dehghanian and Saharnaz Mehrani
48	23GET000114	Steady State Voltage Regulation Requirements for Grid-Forming Inverter based Power Plant in Microgrid Applications	Wenzong Wang and Aminul Huque
49	23GET000118	Training A Deep Reinforcement Learning Agent for Microgrid Control using PSCAD Environment	Arash Farokhi Soofi, Reza Bayani, Mehrdad Yazdanbiouki and Saeed D. Manshadi