

PAC World Americas  
 Conference 2017  
 Initial List of Oral Presentations  
 (listed in no particular order)



Paper #	Abstract Title*
OP01	See a need, fill a need.
OP02	Maintenance methodologies and tools for IEC 61850 substations. Simplification of the asset management
OP03	A Comprehensive Automated Framework for Validating Implementation of IEC 61850 Logical Nodes in Digital Protective Relays
OP04	Lessons Learned Implementing a Wide-Area Coordination Program in Preparation for NERC PRC-027
OP05	Protection Issues Related to Pumped Storage Hydro (PSH) Units
OP06	Unwanted Protection Relay trips in Hydro Power Stations
OP07	Asset Monitoring Breakthrough
OP08	Report on New Differential Protection Method after 6 Years in Service
OP09	Feeder Automation Case Study Leveraging Cellular Communication to Improve System Reliability
OP10	Time Sensitive Networking IEEE802.1 para Automatización de Subestaciones Eléctricas basadas en IEC61850
OP11	Digitally Controlled Compound Sources for Robust, Isolated Generation
OP12	Developed Solution for Automatic Disturbance Record Files Extracted from different make IEC61850 IEDs at Local Server and Automatic File Transfer to Remote Server
OP13	Faults Recognition, Identification and Localization in Smart Distribution Networks - A Review
OP14	Adaptive Protection - What does it mean and what can it do?
OP15	Large-scale device simulation or "But ... will it work?"
OP16	RTU and HMI Redundancy in Electrical Substations
OP17	Mixing Renewable Energy Technologies for mitigating grid perturbation or grid loss operation in Wind Power
OP18	Data Driven Model for Substation Automation Equipment Configurations
OP19	Adaptive Protection Subsystem
OP20	SMART COMPACT SUBSTATION AUTOMATION SYSTEMS
OP21	Standardizing Protection Systems with Flexible Naming Extensions of IEC 61850 Functions
OP22	Advanced Generator Protection and Monitoring Using Transducer Measurements
OP23	A Simple Method for Determining Fault Location on Distribution Lines
OP24	Deterministic Communications for Protection Applications Over Packet-Based Wide-Area Networks
OP25	Expanding Protection and Control Communications Networks With Wireless Radio Links
OP26	Ukraine Cyber-Induced Power Outage: Analysis and Practical Mitigation Strategies
OP27	Automated Production and Testing of Web Based HMIs
OP28	Restoring Power Faster Than The Blink Of An Eye
OP29	Implementing Volt/VAR Optimization with Distributed Energy Resource Penetration
OP30	Application of Settings and Setting Groups in IEC 61850
OP31	A Novel Fault-location Method for HVDC Transmission Lines Based on Incident Current

\* Paper name may change by final submission - And final list of papers may be adjusted for changes in author schedules.

<b>Paper #</b>	<b>Abstract Title*</b>
	Traveling Waves
OP32	NERC CIP and a detailed discussion of IEC 61850 9-2 Process Bus Implementation
OP33	Substation Testing and Commissioning: Power Transformer Through-Fault Test
OP34	Case Study/Overview of Applying an IEC 61850 Parallel Redundant Protocol Communications Network on a University Campus Power Micro Grid Distribution and Generating System
OP35	Engineering of protection, automation and control systems
OP36	Factory acceptance testing of a Duke Energy distribution automation project utilizing a simulation based test approach
OP37	Is Live Line Test Valuable to Analyze High Impedance Fault in 11 kV Overhead Line in Distribution Network?
OP38	Implementation of Intelligent Tuning Systems for Petersen Coils on the Irish Distribution Network
OP39	Live Testing of Rate of Change of Frequency (RoCoF) protection on Hydro generators
OP40	Utility Experience of Testing Special Protection Schemes based on Frequency Protection
OP41	Application of Centralized Substation Protection and Control (CPC) in Advancing DER Integration Using Asynchronous Microgrids as Building Blocks
OP42	Toward Zero Fault-Isolation Time
OP43	GOOSing your paralleling scheme
OP44	Protection Challenges in Commissioning a 132kV Transformer with On-Load Tap Changer: A Case Study and Analysis.
OP45	Using Phase Angle for Steady-State Voltage Stability Assessment
OP46	Recent enhancements to system reliability by implementing GOOSE and SV monitoring via LGOS and LSVS
OP47	Developing a Unified Protection System: Philosophy, Short Circuit Software, and Wide Area Protection Coordination Study
OP48	Automated Fault Location Analysis
OP49	Tunable Microgrid Load Shedding and Restoration
OP50	Process bus testing via Real-time Simulator for a Greenfield Substation
OP51	Multi-bay protection and control with process bus
OP52	Cyber Security Measures in Protection and Control IED's
OP53	Smart Substation: design and installation experience
OP54	Increasing the Usability & Interoperability of IEC 61850 via Basic Application Profiles: What Does Your Profile Look Like?
OP55	A Unique Solution for Voltage Unbalance on the Bulk Transmission Grid

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