Abstracts

- 2019
  - Operator Justification for De-energizing Electric Circuits for Wildfire Prevention – Utilization of Objective Electrical Criteria
  - Improving the Reliability of the Distribution Grid Using a Distributed Restoration System with Dynamic Leader Assignment
  - Application of IEEE Standard 1547-2018 Considering Impact of DERs on FIDVR
  - Strategic Transmission Investment using Modular Static Synchronous Series Compensators
  - Quality – New Metrics for a New Grid
  - Optimum Reactive Power Calculation for Reducing Power System Operation Cost
  - Voltage Stability Contingency Screening and Ranking for Voltage Control Areas
  - Enhancements of Extended Locational Marginal Pricing – Advancing Practical Implementation
  - On Improving Efficiency of Electricity Market Clearing
  - Incorporating Electric Storage Resources into Wholesale Electricity Markets While Considering State of Charge Management Options
  - Real-time PMU Data Recovery Application Based on Singular Value Decomposition
  - Zero to One: A Utility Playbook for (Finally) Delivering Sustainable Value from Your Synchrophasor Data by Enabling Easy Data Exploration and Rapid Use Case Prototyping
  - Who Monitors the Monitors? Automated, Hierarchical Data Quality Assessment for Time Synchronized Measurements
  - The Substation of the Future
  - Automated Fault Location Analysis – Analytics Update II
  - WASA and the Roadmap to WAMPAC at SDG&E
  - Underground Transmission Cable Monitoring – Lessons Learned at AEP
  - Improving Reliability on Mixed Overhead and Underground Distribution Feeders
  - Modeling Approaches and Studies of the Impact of Distributed Energy Resources on the Reliability of Bulk Electric System
  - A National Infrastructure for Artificial Intelligence on the Grid
- Evaluation of Utility Advanced Distribution Management System (ADMS) and Protection Functions Over Private LTE Communications
- Recommended Solutions to Major Security Challenges Facing OT & IT Personnel within Smart Substation Environments
- IEEE's Task Force on IT/OT Convergence Needs You!
- Challenges of Data Management & Analytics in the Future Grid
- Value Quantification of State-of-the-Art Condition Monitoring in 400kV Transmission System Substations
- Comparing Static and Dynamic Analysis of Short Circuit Forces on Substation Rigid Bus: A Case Study
- Lessons Learned of AC Arc Flash Studies for Station Auxiliary Service Systems
- Big Data Framework for Predictive Risk Assessment of Weather Impacts on Electric Power Systems
- Software Defined Grid
- Quantum Computing Applications in Power Systems
- Solar PV Curtailment in Changing Grid and Technological Contexts
- Transmission Planning Considerations for DERs with Reverse Power Flow
- Integration of High Levels of Renewables on the Vermont Electric System
- Volt/Var Optimization by Smart Inverters and Capacitor Banks
- Smart Inverters and Their Role in the Modern Electric Grid
- Multi-Objective Aspects of Distribution Network Volt-VAr Optimization
- Substation Protection & Automation Secure IED Management
- Cybersecurity Considerations for Power Substation SCADA Systems Using IEC 61850 Communications
- Phase Angles as a Proxy for Voltage Stability
- Reducing Induced Voltages on Parallel Facilities in Shared Transmission Corridors with Aerial Counterpoise
- Transmission Line Conductor Asset Health Assessment with Non-Contact Monitoring Technology

More Informations:

File Size: 44,9 MB  Year: 2019  Place: Atlanta, USA