

Colloquium Moscow-2017

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Title of the paper
Implementation of Interoperability Adaptor for Interface with External Systems in Campus Microgrid
Operational, short and long term profile optimization (economic dispatch) of distributed energy resources in Microgrid
Advanced Platform for Virtual Power Plant Operation
Applications based on PMU technology for MicroGrid
Emergency and postemergency control in the formation of microgrids
Inverter Control in the Formation of Microgrids
Security Assessment & System Optimization platform for grid stability control
Microgrid monitoring protection and control based on synchronized measurements
Centralized power supply control system of active consumer with distributed generation sources
Advanced Distribution Management System as effective IT/OT platform for managing today and tomorrow electric network
Automation of asset management and field inspection processes as an instrument of economic efficiency of distributed power systems (Microgrids)
The Distributed System for Solution of Planning and Dispatching Problems in Large Interconnection
Strategies and benefits of control centralized and distributed in distribution feeders with distributed generation.
A Monitoring Architecture for Smart Grid Cyber Security
Evaluation of Cybersecurity Risks and Vulnerabilities of Advanced Metering Infrastructure Components
The electric network infrastructure, a large playground for IoT
Utility Information security at the dawn of IoT and NFV-enabled telecommunication service-chaining in cloud computing
(I)IoT: Industrial Internet of Things: Building the future Grid?
The current security regulation of power control system in JAPAN and corresponding TEPCO PG's efforts
Maturity assessment of SDN/NFV technical specifications for secure TELECOM
Real Evidence for Security Conformance
Cyber-threats and the Risks They Pose to Power Utilities
Building a secure network for new scenario case: CHESF
Reference framework for cybersecurity of companies participating in the Wholesale Electricity Market in Mexico
MADES (Market Data Exchange Standard): Create a secure and reliable communication platform for European electricity market
About cyber physical model for cybersecurity researches in power industry
Possible approaches to cybersecurity threat modeling in the Power Grid

Introduction of AI-based Anti-malware Software to resist Cyber Threats
Improving accuracy of power system state estimation under cyber-attacks using median filtering
Reducing cyber-attack actual damage by Controlled Degradation of the control system to less vulnerable network configuration and isolating infected system components
Simulated modelling for EPU, as a tool for assessing the actual vulnerability against cyber threats and for cost-effective cyber security planning
Big data based network security situation awareness and early warning analysis
Point-to-multipoint Channels over Digital Networks for Relay Protection and Automation
Microwave Link Planning and Improved Availability and Reliability
Substation Network Optimisation Principles: IT features within an OT environment
A Smooth Migration Path from TDM to PTN using Hybrid Devices
Ways to improve the speed and reliability of the transmission of digital information through the channels NBPLC grids 6-35 kV
Planning and design of the backbone roadm for mutual use between chesf (são francisco's hydroelectric company) and rnp (brazilian national research and educational network). Benefits, opportunities, solutions and challenges
A Development of NMS (Network Management System) for AMI (Advanced Metering Infrastructure) Network Devices
Evolving Telecommunications for Next Generation Power Systems
Construction and operating experience of digital power-line carrier systems
Application of Virtualization Technology to the New Supply and Demand Adjustment Support System
NordBalt fibre optical transmission system
A Solution for the Transmission of the Teleprotection Commands Using Ethernet over SDH
Telecommunication networks and infrastructures for IEC 61850-based substation automation systems
Investigation into the use of IP-MPLS network to service OT services
Development of Next-generation System Stabilizing Controller Communication System
Recommendations for using of synchronous communications protocols for analog and digital data transfer as an alternative to IEC 61850-9-2 LE (SV) and IEC 61850-8-1 (GOOSE) PROTOCOLS IN DIGITAL SUBSTATIONS
Development of a new model information transmission device implementing high reliability of a SCADA system
Development and Introduction of Communication Devices Corresponding to New Applications
Challenges to Implement Secure Remote Services
Precision timing distribution over terrestrial way

Network and Data Security Architecture of the Electric Power System

Latency in mission critical hybrid network

Leveraging Security and Reliability Management with Advance Data Analytic, A Novel of Big Data application in CBM strategy in EGAT Communication Network

The development of 230 MHz power wireles communication technology