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Reference: **COLL\_CAL\_2018**

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Type:

**Colloquia**

Title:

**Colloquium - Calgary 2018**

## Abstracts

- **007** - The Application of New Dielectric Rope Technologies to Live-Line Rescue & Escape
- **010** - An Assessment to Leverage Limited Availability of Operational Data to Improve Grid Performance through Asset Management Techniques
- **011** - Risk assessment and mitigation strategy for managing Ammonium Copper Arsenate (ACA) pole through bolts
- **012** - Innovative and Effective Method and System for Voltage Improvement, Power Quality and Reduction of Losses in Electrical Power Distribution
- **015** - A Supervisory Controller for a Grid Integrated Solar Power Plant that provides Fault Ride-Through Capability
- **017** - Case Study: Grid Enterprise Solution for capturing, storing and viewing essential data for non-EMS Operators
- **019** - Bridging the Gap - HVDC Overlay Grid, Canada's Equalization Formula and Provincial Carbon Emissions
- **020** - Misconceptions and Misuse of Online Monitoring of HV Assets
- **021** - Guideline to Develop Low Frequency Dynamic Model Equivalents in Today's Emerging Grids
- **022** - Automatic Control of Phase Shifting Transformers and its Coordination with Remedial Action Schemes
- **024** - Evaluation of Counterpoise through Impulse Fall-of-Potential Measurements
- **026** - Laser Scanning and Its Applications to Substation Design and Management
- **028** - Replacing Insulator Strings on Power Lines using Traditional Methods and Robotic Systems – The State of the Art
- **030** - Power Transformer from Asset Management
- **031** - Monitoring System for Underground MV Smart Distribution Grids
- **033** - Breaker TRV Capability Investigation for In-line Reactor Applications

- **034** - T&D Enginomics, Advanced Asset Management Frameworks
- **040** - RAS Modelling with RAS Coordination
- **042** - A Novel Placement Technique for Utility-Scale PV Solar Farm Grid Integration
- **046** - Development of  $\pm$  500 kV HVDC WATL Structures and Foundations in Alberta
- **047** - The Evolution of Time Synchronization @ AltaLink
- **051** - Wide Area Real Time GMD Monitoring and Analysis using Synchro Phasor Technology
- **052** - A Practical Application of Probabilistic Asset Management Approach for Ageing Infrastructure Replacement and Investment Analysis
- **053** - Future Challenges for the Planning, Design and Operation of Utility Distribution Systems
- **056** - AltaLink's First Digital Substation with IEC61850 Process Bus Technology – A Design Overview
- **058** - Transformer condition evaluation and fleet ranking combining offline and online data
- **062** - Automatically generated dynamic equivalents for RTDS® applications
- **064** - Implication of WAN technology on Tele Protection systems
- **067** - Improved Model for Determining Total Power Loss in Transmission Line Conductors
- **070** - Market Mechanisms to Monetize Energy Storage – US Experience
- **075** - Application of Single Arm Voltage Source Converter for Tapping an LCC HVDC System
- **076** - Development of Wide Area Electricity Markets and the Means to achieve them
- **078** - State of the art resilience solutions for bypassing power transformers in case of contingencies, emergencies or maintenance
- **080** - Cybersecurity Good Practice: Not Just NERC CIP Compliance
- **083** - Impact of Electric Vehicles on Residential Secondary Distribution Systems
- **093** - Transformer Tank Vibration Model to Detect Winding Deformations
- **095** - Thickwood Hills Static VAR System – A Split Scope Approach
- **096** - Implementing Digital Substations – a stepwise approach to electricity grid digitization
- **097** - Application of Synchro Phasor Technology to Enhance Distribution System Monitoring, Automation and Operations – A Utility Deployment Approach
- **098** - Determining Residential Transformer Loading Thresholds Using Weather and Metering

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More Informations :

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