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Reference: **CSE027**



Type:

CIGRE Science & Engineering

Title:

CSE 027

This journal is the outcome of CIGRE's desire to broaden its publication to scientific articles of interest for its members, and outside the CIGRE sphere.

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- Editorial by Rob Stephen
 - A1 - An innovative power system stabilization method with augmented inertia synchronous condensers
 - A2 - Impact of Transient Voltage Generated by Valve Commutation on HVDC Transformer
 - A3 - Application of SF6 Alternatives for Retro-filling Existing Equipment
 - B1 - Best practices for Partial Discharge Monitoring of HVDC Cable Systems and Qualification tests
 - B2 - Latest Design Standard on Structures for Overhead Transmission Lines in Japan
 - B3 - Online Monitoring and Data Analytics Enabling LV Network Investment Optimisation for a Low Carbon Future in Ireland
 - B4 - Transmission system testing of a VSC based HVDC System
 - B5 - Defining an MV/LV Protection, Automation, and Control system based on 5G network
 - C1 - A probabilistic approach to stability analysis for boundary transfer capability assessment
 - C2 - Inertia Measurements in the GB Power System used for Operations and Planning Improvements
 - C3 - Regional sustainability assessment of Energy Systems: Integrating stakeholder perspectives and conditions on a regional scale
 - C4 - Taking advantage of grid-forming BESS behaviour during major outages: contribution to improve the share of renewable energy in French isolated power systems
 - C5 - Beyond Expected Values Evolving Metrics for Resource Adequacy Assessment
 - C6 - Congestion Management in Distribution Systems with Large Presence of Renewable Energy Sources

- D1 - Development and implementation of transformer condition monitoring models for the interpretation of sensor and SCADA data
- D2 - DAS Technology: an opportunity to use fibre optics for asset monitoring and security applications in Electric Power Utilities

More Informations :

Pages NB:245 **Study Committee :** A1, A2, A3, B1, B2, B3, B4, B5, C1, C2, C3, C4, C5, C6, D1, D2 **Year:**2023
