



Reference: **SYMP_MUS_2023**



Type:

Symposia

Title:

Symposium Muscat - 2023

- **1841** Photovoltaic Cables for Renewable Energy and Importance of Long Term Testing
- **1785** Polymeric terminations in MIND insulated HVDC cable systems
- **1762** Design Improvements in Uprating Existing Transmission Lines – A Method with No Service Disruption
- **1813** Performance Evaluation of insulator under effect of environment condition
- **1840** Mitigating Overhead Conductor Temperature Risk with Engineered Surface Coatings: Bringing Sustainability for Grid
- **1775** Today`s Trends in Composite Insulator Technology and Application
- **1816** A novel controllable line commutated converter for mitigating commutation failure in multi-infeed HVDC system
- **1800** Application of AC choppers for HVDC systems connected to weak or isolated AC grids
- **1779** Field experience of VSC HVDC Converter reactors – a review and outlook after 25 years' service experience
- **1758** Operational Challenges faced in protection coordination of DMR line in +/- 800kV Champa Kurukshetra Multipole HVDC Link
- **1755** A Strategy for Maximum Utilization of Active and Reactive Power Capabilities and Increased Efficiency of Voltage Source Converter HVDC links
- **1736** Aspects of Long-Distance HVDC Transmission with Impact of Inverter-Based Renewable Generation and Assessment of Converter Interactions
- **1733** Enhanced Modular Multilevel Converter for HVDC Transmission Solutions in NetZero and 100% Renewable Powered Grids
- **1799** A Novel Grid-Following VSC Controller Without PLL for Systems with Very Low Short Circuit Strength
- **1798** Transient stability analysis and operational measures for resilience level events in power system
- **1740** Improving safety, reliability and operating efficiency of distribution networks
- **1796** Assessment of Inertia for Indian Power System
- **1756** Studies on stray gassing characteristics in renewable and environmental-friendly liquid

insulation for transformer

- **1832** The Design and Multiphysics Simulation analysis of station service voltage transformer
- **1817** Defining the limits of No load test parameters at over excitation to ensure no over-fluxing of core of Transformers based on a case study: A Perspective for Utilities
- **1752** Study and analysis of the impact of smart meter on emerging green technologies in Oman
- **1757** When Human Intelligence meets Artificial Intelligence
- **1774** Big Data based maintenance planning – data mining and utilisation
- **1827** Research on Key Technology of Ultra High Voltage DC High Speed Switch
- **1735** Comparative Life Cycle Assessment of SF6-based SP-3 and SF6-free Eco 145kV Gas Insulated Switchgears
- **1772** Study on Effect of Environmental Ageing on Fiber Reinforced Plastic (FRP) rod used in Polymeric Insulator
- **1825** CIGRE fourth reliability survey on substation equipment
- **1820** On the Dielectric Properties of Recyclable Liquid Silicone Rubber under Thermal Aging
- **1822** Machine Learning Algorithm based Condition Monitoring of PV Solar Plant through Ultraviolet Image Processing
- **1749** Power Distribution Estimation in VSC-based MT-MVDC Distribution Systems with Droop Control under Steady-State Operation
- **1765** Verification of effectiveness of peak shift and voltage control technology toward mass PV penetration
- **1747** Investigating the PV Contribution's Limit with Utilizing Battery Energy Storage Systems to a Micro-grid: A Case Study on the Rafha Micro-Grid
- **1753** A Novel Concept for a 100% Renewable Powered Grid with High Concentration of Co-Located Utility-Scale Converter-Based Generations
- **1792** Performance analysis of grid forming inverter with different control strategies
- **1739** Techno-economic feasibility study of integration of various renewable energy sources into an existing grid system with smart grid and energy storage device in Oman
- **1818** Practical comparison between a flywheel and Li-ion battery: A case beyond Li-ion batteries for small scale installations
- **1819** Simplified design and selection method for solar thermal
- **1824** A novel Study of Load Profiles
- **1773** Automated transmission network planning toolchain for the greenfield network design of NEOM
- **1766** Dielectric fluid immersion cooling for thermal management of lithium-ion batteries: A review
- **1821** Practical comparison between a water based solar photo-voltaics-, solar thermal- and solar photo-voltaic-thermal systems
- **1777** Automation approach for estimation of maximum res generation for each node of the distribution network in powerfactory software
- **1776** The Spinning Reserve Mechanism Options applied for Oman Electricity Transmission Network
- **1761** Measuring, understanding and utilising the residual inertia of demand and embedded generation to secure and optimise system operation – The Great Britain case study
- **1782** Operational Planning Methodology in Indian Power System Under High Renewables

Regime

- **1744** An Advanced Approach to Solve Economic and Emission Dispatch Problems Based on Lightning Search Algorithm
- **1831** The regulatory arrangements for private renewable projects in view of Oman transmission business

More Informations :

File Size:82,4 MB **Study Committee :** A3, B2, B4, C6 **Year:**2023 **Place:**OMAN - Muscat
