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## Abstracts

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.

### In this issue:

- > What may Electric Power Utilities (EPUs) do to mitigate the cyber threat landscape?
- > Assumptions and numerical parameters influencing the accuracy of thermal models for core-type power transformer windings
- > A Monitoring architecture for smart grid cyber security
- > Verification of the short-circuit withstand capability of transformers
- > Operational, short and long term profile optimization (economic dispatch) of distributed energy resources in Microgrid
- > Smart control of energy distribution grids over heterogeneous communication networks Impact of communication network performance on voltage control and energy balancing
- > Temperature Profiles of All-Aluminum-Alloy Conductors near Wedge Tension Clamps
- > Practical methodology for calculation of corona losses induced by hoarfrost using operational measurements
- > External lightning protection system for wind turbine blades - Power performance
- > Experimental validation of frequency control from offshore wind power plants in multi-terminal DC grids
- > Methods for modeling the dynamics of wind turbines in systems with distributed generation