

Special Issue

Fault Current Limiters: Technologies, Applications and Field Experience

Message from the Guest Editors

Fault current levels are enlarging as a result of the evolution of the power system. The power flows in transmission and distribution lines are increasing basically on account of the integration of new generation sources in addition to the demand rise. An appropriate management of those elevated fault currents is imperative for the correct and reliable operation of the power system. Both conventional and innovative techniques for dealing with this challenge have been proposed in the literature and used on field. Technical details and operational experiences as well prospective feasibility studies are welcome in this Special Issue. Superconductivity based FCLs are of particular interest, due to the elevated level of development and diversity of applications. Fault current limiting techniques must fit into the protection of forthcoming power systems. Therefore, this Special Issue covers -but it is not limited to- HVDC or hybrid AC/DC systems, as well as highly meshed grids. We encourage submissions in all degrees of detail, from simulation models to higher detailed models, such as FEM, or prototypes and field experience.

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