

Special Issue

Novel Ideas for Multi-Terminal HVDC Grid Protection and DC Circuit Breakers

Message from the Guest Editors

The Special Issue "Novel Ideas for Multiterminal HVDC Grid Protection and DC Circuit Breakers" seeks technical as well as scientific papers addressing protection schemes and circuit breakers for high-voltage DC transmission systems. In an era when fossil fuel reserves are depleting, along with energy demands increasing, renewable energy sources must be integrated into the grid. The following are potential topics included, but not limited to, in this Special Issue's scope:

- The contingency analysis, design and development of HVDC systems, including converter stations, DC-DC converters, semiconductor devices and transmission links;
- Multiterminal HVDC transmission grid faults;
- HVDC grid control and operation during faulty conditions;
- Protection algorithms and relay modeling;
- Hybrid HVDC grid faults and DC grid fault analysis;
- Fault current limiters;
- HVDC circuit breakers.

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Deadline for manuscript submissions

closed (29 February 2024)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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