Special Issue

Control, Fault Ride-through, Protection and Stability of HVDC Converters and Systems

Message from the Guest Editor

Prospective authors are invited to submit original contributions and visionary papers in the above areas. Topics of interest of this Special Issue include but are not limited to:

- Emerging HVDC converter topologies;
- Advances in control of HVDC systems;
- Protection and fault-tolerant operation of HVDC systems;
- Provision of ancillary services from HVDC systems and energy storage systems;
- New control and AC and DC fault ride-through methods and protection strategies for safe and reliable operation of point-to-point and multiterminal HVDC transmission systems for offshore wind power plants;
- Novel AC and DC side energisation methods for point-to-point and multiterminal HVDC systems;
- New control, and AC and DC fault handling in hybrid multiterminal HVDC grids;
- New emerging control strategies of grid-forming HVDC converters;
- Stability and interaction assessments between offshore converter and multitudes of wind-turbine-generators of the windfarm, and between co-located HVDC converters.

Guest Editor

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Deadline for manuscript submissions

closed (29 March 2021)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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