

Special Issue

Applications of Medium Voltage Direct Current in Electric Systems

Message from the Guest Editors

Electric power systems will need to accommodate large amounts of renewable energies and a growing number of DC loads with reduced costs and losses. The medium-voltage direct current (MVDC) grid concept can play a key role, since it can help reduce the number of conversion stages necessary for the integration of the low voltage output from a renewable generation source to the electricity grid, which operates at a much higher voltage. Furthermore, these same efficiencies are achieved in end-use applications for the increasing supply of DC loads in power grids. Therefore, MVDC architecture can serve as an additional stage of infrastructure in the electricity grid between transport and distribution levels, as well as a means to supply consumers of all kinds. Prof. Dr. Luis M. M. Fernández-Ramírez

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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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