Special Issue

New Topologies of Voltage Source Converters and Current Source Converters for Integration of Fast EV Charging Stations within Smart Grids

Message from the Guest Editors

We are inviting submissions for a Special Issue of Energies on the subject area of "New topologies of voltage source converters and current source converters for integration of fast EV charging stations within smart grids". Over the past few years, the integration of the fast EV charging stations have been increased rapidly in the low-voltage (LV) distribution networks. The desired features of power electronic converters interfacing fast EV charging stations to LV grids include: being compact, reliable, and efficient, having a fast transient response, low-device stress, low-voltage distortion, being stable, characterizing reliable power transfer with low noise and reduced electromagnetic interference (EMI). This Special Issue will focus on voltage source converters and current source converters for integration of fast EV charging stations within smart grids.

Guest Editors

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Deadline for manuscript submissions

closed (1 March 2023)

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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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