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Grid Forming Power Converters

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Deadline for manuscript submissions:

closed (31 May 2021)

Message from the Guest Editors

Dear Colleagues,

Welcome to the Special Issue of Energies on “Grid Forming Power Converters”.

We are currently witnessing one of the most prominent changes in power systems, since global efforts for transitioning toward sustainable clean energy scenarios have paved the way to a new conception of power systems, which will be broadly dominated by green energy sources interfaced to the grid through power electronics.

Although grid-forming power converters have been proven to be effective theoretically within the academic community, the wide adoption for actual deployment in power systems is still limited due to the lack of familiarity and confidence from system operators, which requires a dissemination effort from the scientific community to explain their main features and benefits.

This special issue is aimed to disseminate recent advances, development, and piloting on the grid-forming power converter, where we invite researchers and industry experts to contribute research papers and review articles on the state of the art and future.



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Special Issue



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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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