

## Special Issue

# Direct Current (DC) Distribution Grids and Microgrids

### Message from the Guest Editors

DC distribution is finding increasing applications in various areas, including off-grid microgrids, transportation electrification, data centres, and residential and industrial purposes. Societal focus on sustainable energy transition, including increasing use of electric vehicles, renewable energy generation, and electric heating, has put pressure on the traditional AC power grid infrastructure. DC-based technologies can play a key role in integrating these emerging grid components. This Special Issue invites original research papers addressing the following topics:

- Modelling of DC distribution grids
- Control of DC distribution grids
- Stability of DC distribution grids
- Protection in DC distribution grids
- Power electronics converters in dc distribution systems
- Shipboard DC Distribution
- DC Microgrids
- DC microgrids topologies
- Hybrid AC-DC microgrids
- Integration of storage in DC distribution grids

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### Deadline for manuscript submissions

closed (21 November 2021)



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## About the Journal

### 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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