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Energy Management Optimization and Resource Allocation for Electric Vehicles and Quantum Computing in Smart Grids

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Deadline for manuscript
submissions:

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Message from the Guest Editor

The objective of this Special Issue is to address and disseminate the latest results on various aspects of electrified mobility and its challenges and impacts on the Smart Grid.

In the context of the Modern Power Grid, the success of the Connected Electric Vehicle (CEV) concept depends on its range capability and its battery energy management system in terms of its capacity, the charging and discharging rate, and the availability of the EV Supply Equipment (EVSE). Thus, batteries are expected to be the key to decarbonizing global transport and energy sectors. The CEV is co-locating the consumption and control of electricity based on its specific architecture and the capabilities of Information and Communication Technologies (ICTs).

We invite original and unpublished submissions discussing innovative approaches to enhance energy management techniques in the Smart Grid and all relevant applications in ICTs, RESs, electric vehicles, transportation, power electronics, and power systems.



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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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