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Power Converters, Electric Drives and Energy Storage Systems for Electrified Transportation and Smart Grid

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Deadline for manuscript
submissions:

closed (15 December 2020)

Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to a Special Issue of *Energies* entitled “Power Converters, Electric Drives, and Energy Storage Systems for e-Transportation and Smart Grids”. The main objective is to provide solutions for the design and management of energy storage systems, of RES, and of relevant power electronic converter systems and innovative electric drives, including applications of ICT technologies.

The particular topics of interest include but are not limited to the following: New emerging technologies for power converters, electric drives, and energy storage; ECU for energy storage system monitoring and management; Online estimation of SOC and SOH; Power electronic converters for RES; Fast chargers and smart chargers for EVs, including wireless power transfer; Integration of charging infrastructures in the smart grid for e-Transportation; Predictive diagnostic for renewables and energy storage systems; Embedded systems, machine learning, AI, DNN for energy storage, conversion, and management; Integration of IoT and digitalization into e-Transportation; Cybersecurity and 5G connectivity challenges and opportunities for energy.



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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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