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Novel Power Electronics Technologies in Power Systems

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Deadline for manuscript submissions:
closed (10 October 2021)

Message from the Guest Editors

Dear Colleagues,

The Editor is inviting submissions for a Special Issue of *Applied Sciences* on the subject area of "Novel Power Electronics Technologies in Power Systems". The Special Issue will focus on the current and envisioned future roles of power electronic converters in power systems. As the grid is getting smarter, power electronic devices have started to play a vital role in the enhancement of efficiency and reliability of the existing power generation, transmission, distribution, and delivery infrastructure. Some of the prominent applications from power electronic devices in power systems include active filtering, compensation, and power conditioning. With increased penetration of renewable energy resources and storage systems, the application of power electronics in power systems has become more vital. With the advent of smart parks that includes renewable energy and plug-in electric vehicles (PEV)-based distributed resources, the ancillary services provided by such power electronic converters can form one of the major cruxes of the smart grid environment.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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