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Power Electronics on Recent Sustainable Energy Conversion Systems

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Message from the Guest Editors

Power electronic systems are employed worldwide, with multiple applications such as centralized generation, energy storage, distributed generation, electric vehicles, renewable power generation systems, illumination systems, hydrokinetic converters, traction converters, and power supply systems, among others. Power electronic systems aim to perform energy conversion with maximum efficiency, a high power density, low cost, high-quality power, and high reliability in order to maximize the utilization of energy resources. Thus, the reliability of power electronics systems can be enhanced by incorporating advanced control schemes, using novel technologies related to power semiconductors and passive elements, and new PWM strategies.

The present Special Issue aims to promote the generation of knowledge associated with the advanced application of power electronic energy conversion systems. Authors are encouraged to submit original contributions related to recent advances in energy conversion systems.

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Message from the Editor-in-Chief

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