Special Issue

Next Generation of Power Electronics Components, Devices and Control Techniques

Message from the Guest Editor

With the main aim to provide solutions to our dependence on fossil fuel systems such as oil and gas supply, this Special Issue is focused on research, development, and innovation of power electronics components, devices, and control techniques in areas such as (but not limited to) renewable energy, diversification of energy supply, and efficient use of natural resources, which seem to be, once more, the most feasible answers to our problems. Topics of interest include but are not limited to the following:

- Power electronic technologies and techniques for energy conversion
- Power electronics and renewable energy systems
- Power electronics and energy storage devices, systems, and control techniques
- Power electronic interfaces for energy systems
- Power electronics for harvest energy
- Power electronic converters
- Power electronics in pico-grids and micro-grids
- Optimization in power electronics with applications to renewable energy conversion
- Intelligent power electronics in renewable energy systems
- Electric/hybrid vehicle converters

Guest Editor

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