

Special Issue

Power Electronics and Renewable Energy Technologies

Message from the Guest Editors

With the increase of the global population and the rapid development of industry, the energy demand is increasing very rapidly. Over the past few centuries, this demand has mainly been met by fossil fuels. However, fossil fuel resources are limited and their consumption causes serious environmental problems. Hence, governments and companies are increasingly seeking to reduce the world's dependence on fossil fuels. This makes it essential to develop sustainable energy solutions for energy production. This SI provides a platform to present the latest research papers related to power electronics and renewable energy technologies. Relevant themes include but are not limited to the following:

- Power electronic converters and control systems.
- Renewable energy technologies (e.g., photovoltaics, wind turbines and fuel cells).
- Distributed generation and grid interconnection.
- Electric vehicles and intelligent transportation.
- Energy storage, battery charging and management techniques.
- Microgrid and smart grid.
- Lighting technologies.
- Electric machines and drives.
- Power quality issues.
- Wide-bandgap devices.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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