Special Issue

Advancements in Power Electronics Design: Thermal Management and Reliability

Message from the Guest Editor

This Special issue aims to present the latest advancements in theories, methodologies, technologies, materials, and applications related to the thermal management and reliability of electronic devices. Topics of interest for publication include, but are not limited to, the following:

- Thermal design of electronic devices;
- Design and optimization of thermal management systems;
- Thermal management strategies for extreme operating conditions;
- Advanced thermal management materials;
- Micro-scale heat transfer enhancement;
- Innovative cooling technologies and equipment;
- Reliability design for electronic devices;
- Reliability prediction and control of electronic devices;
- Application of artificial intelligence for thermal management and reliability.

Guest Editor

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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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