

Special Issue

Recent Studies in Power Electronic Devices and Applications

Message from the Guest Editors

The journal is inviting submissions to a Special Issue of *Energies* on the subject area of “Recent Studies in Power Electronic Devices and Applications”. Power semiconductor devices, essentially important for the efficient use of electric power systems, are rapidly continuing its advance in recent years. Extensive research has been done in the last decade in academia on many aspects, which is reflected in many emerging and re-emerging fields such as emerging wide-bandgap devices, device modeling, device lifetime and reliability, thermal network modeling, high-density packaging, gate driving circuits and advanced snubber circuits. This Special Issue will deal with novel power semiconductor devices and their key application techniques. Topics of interest for publication include, but are not limited to:

- Novel power semiconductor devices;
- Wide-bandgap devices;
- Power semiconductor device modeling;
- Lifetime prediction of power devices;
- Thermal modeling of power devices;
- Advanced packing techniques;
- Advanced gate driving techniques;
- Snubber circuits;
- Thermal management and health monitoring;

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Deadline for manuscript submissions

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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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