Special Issue

Microelectronic Circuit and Algorithm Design for Wireless Energy Transfer

Message from the Guest Editors

The transmission of information by radio waves has ushered in a new era of human communication. All radio technology is based on energy supply. As such, wireless power transfer will open up another new era of human energy, giving rise to applications hitherto confined to the realm of appear in science fiction. Wireless energy transmission technology has more advantages than the traditional wired power transfer relying on wires as transmission media. The wireless energy transfer is environmentally insensitive and suitable for large-scale and long-distance uses. This Special Issue aims to present and disseminate the most recent advances related to the microelectronic circuit and algorithm design for wireless energy transfer. Topics of interest for publication include, but are not limited to:

- Circuits and systems for wireless power transfer
- Power amplification
- Antenna array design
- Algorithm design for wireless energy transfer
- Novel applications of wireless energy transfer
- Multiphase machines and drives
- Simultaneous wireless information and power transfer
- Power converter

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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