Special Issue

Power Electronics Technology and Application

Message from the Guest Editors

The reason for the reduced efficiency is an increase in power losses in magnetic elements. Additionally, an increase in the operating frequency causes an increase in the temperature of the considered elements as a result of thermal phenomena occurring in them, such as self-heating or mutual thermal coupling between the components of the mentioned element (core, winding). Therefore, the aim of this issue is to identify new trends and research in the field of modern electronic components used in power systems and to present the influence of selected properties of electronic components of the considered systems. Additionally, the area of power systems in which specific electronic components are used will be indicated.

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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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