

Special Issue

Advances in Power Electronic Converters

Message from the Guest Editor

Nowadays power electronic systems are widely spread all around the world with multiple applications such as, centralized generation, energy storage, distributed generation, electric vehicles, renewable power generation systems, illumination systems, hydrokinetic converters, traction converters, power supply systems, among others. Power converters are aimed to perform energy conversion with maximum efficiency, high power density, low cost, high power quality and high reliability in order to maximize the resource utilization. Therefore, power converters are continuously studied to improve their performance by means of the modification of the structure, control strategies modifications, changes of the pulse width modulation strategies, implementation using new technologies of power semiconductors, improvement on the reliability for power converters, among others. Then, the present special issue intends to promote the generation of new knowledge devoted to the development of power electronic converters. Authors are encouraged to submit original contributions related to advances on power electronic converters.

Guest Editor

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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