

Special Issue

Design, Analysis and Control of Power Electronic Converters for High-Power Applications

Message from the Guest Editors

Innovative, complex converter topologies, such as modular multilevel converters, are already widely deployed in HVDC and MVDC systems, where they offer reduced losses, increased controllability and efficiency, and significantly improved harmonic performance when compared to other converter topologies. However, research on wide bandgap semiconductor switches, advanced converter topologies, and control has shown that power electronic converters could also prove viable and advantageous for other high-power applications including large electrical drives, aerospace, and transport. This Special Issue invites articles that provide novel insights into the design, analysis, and control of new power electronic converters for high-power applications.

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Deadline for manuscript submissions

closed (20 June 2021)



Energies

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Impact Factor 3.9
CiteScore 8.3



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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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