Special Issue

Applied Technologies for Renewable Energies Integration in Power Systems

Message from the Guest Editors

Power and energy conversion, distribution and management face critical challenges in the current context of energy transition. Novel equipment designs, control strategies, approaches and techniques are beign developed to achieve the necessary improvements in full-scale power systems. Integrating renewable energy sources, storage and distribution in a conventional electrical grid network is also a fundamental milestone toward achieving the smart grid concept. Novel emerging energy vectors, such as marine power and biofuels, and classical energy vectors, such as wind or solar energy, constitute the distributed generational core of future smart grid. Their integration should be able to cope with the associated generation intermittencies and uncertainties. The scope of this Special Issue comprises renewable energies conversion efficiency, enhancement in power quality, applied techniques for electrical machines and generation, novel power electronic equipment, smart sensors, renewable energies integration, marine power, on-shore and off-shore wind power, solar power,

biofuels and biomass.

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Deadline for manuscript submissions

closed (1 April 2023)



Electronics

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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