Special Issue

Permanent Magnet Electrical Machines

Message from the Guest Editor

Permanent magnet electrical machines are an emerging type of electromechanical converter technology. They have high power/torque density and demonstrate high efficiency. There has been increased interest in such machines due to their potential for widespread applications, such as industrial applications and applications in electric/hybrid vehicles, electric aircrafts and ships, renewable power generation, unmanned propulsion systems, etc. The topic is broad, because it covers not only well-known surface and interior permanent magnet synchronous motors, brushless d.c. motors, hybrid steppers, etc., but also a lot of other electrical machines, such as those with hybrid excitation, double saliency, transverse flux, memory and magnetic-gearing types, vernier machines, etc. Papers covering new topologies, structures, manufacturing technologies, analysis methods, control strategies, and new emerging applications of permanent magnet electrical machines are strongly welcome. Contributions dealing with advancements made in permanent magnet materials for electrical machines are also of interest.

Guest Editor

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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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