Special Issue

Advanced Power Electronics in Hybrid Vehicles

Message from the Guest Editor

The Special Issue “Advanced Power Electronics in Hybrid Vehicles” will address all the relevants aspects in hybrid electric vehicle (HEV) power electronics. It is well known that in the future electric vehicles will be the only vehicles in use, but now and in the near future, the combustion engine is and will be the dominant engine. For this reason, the hybrid electric vehicle has great importance and can drive a high level of innovation. For instance, the great development of power electronics, e.g, wide-band-gap semiconductors, has allowed the reconsideration of architectures such as series architecture. Other technological innovations in this area are the storage field, i.e., supercap, and batteries, which will be sources of innovation for HEVs. This Special Issue is focused on bringing together the innovative developments and synergies in the field of hybrid electric vehicles.

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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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