



Electric and Hybrid Vehicles in a Smart Grid Scenario

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Message from the Guest Editor

Electric vehicles and renewable energy sources are expected to play a fundamental role in reducing huge amount of carbon emissions caused by both the transportation and power generation sectors. Based on full electric or hybrid drives, represent a very interesting opportunity to solve various problems concerning liquid fossil fuel dependence. Academia and the electric power systems industry are about to face technical and economic issues related to the massive integration of electric and plug-in hybrid electric vehicles in the electric grid, as electricity is becoming the preferred energy vector for the next new generation of road vehicles. Starting from a deep analysis of the above main issues, based on the status of the literature and ongoing research projects, this Special Issue presents a wide review of the new power technologies that allow the design of innovative transportation solutions towards sustainable transport.





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