

Special Issue

Power Quality Improvement Using Power Converters Powered by V2G Vehicles Charging Stations

Message from the Guest Editor

Grid-interactive renewable energy sources (RES) and electric vehicle (EV) systems are emerging technologies today, owing to lower energy costs and lower emission levels. Various research surveys have presented the effect of RES and EV grid integration in isolation. However, it is worth noting that, as RES and EVs continue to proliferate, the power grid is experiencing the combined effect of RES-EV integration. The EV distribution system network has an impact on the grid's power quality. The shunt active power filter is modelled using the popular neuro-fuzzy control technique for harmonic mitigation. The system performance improvement is analysed and compared to traditional compensation techniques. This special issue encourages researchers to share new developments and potential solutions addressing the aforementioned and other related topics in order to maximize the potential of these emerging technologies.

Guest Editor

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