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Prospects for Integrating Electric Vehicles into Power Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editor

Electric vehicles (EV) bring a sustainable future for the next generation of automobiles. Penetration of EV has increased drastically in the recent past; however, EV integration into power grids adds more challenges for power system engineers worldwide. The presence of nondispatchable and fluctuating energy sources requires smart management of the power system.

The intent of the Special Issue is to collect innovative contributions on the integration of EVs in power systems considering the presence of renewable energy sources (RES), EV coordination with RES and power networks, hypothesis of EV charging/discharging strategies. It also aims to highlight the benefits that a charging station can create in the feeders.

Contribution of interest include, but are not limited to:

- Electric vehicles
- Vehicle to Grid
- Renewable energy sources
- Charging/discharging strategies
- Smart power system management

Welcome to contribute.

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Message from the Editor-in-Chief

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