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Smart Recharging Stations

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is proposed to encourage further research and development in smart recharging stations for electric vehicles and fuel cell electric vehicles.

The design of a charging station must take into account the peak power taken and the moment when it is required. In order to face this issue, the social activity should be studied: for a university with the peak of required power in the morning (when students arrive), an oriented solar system should be helpful. However, the study of the behavior of early adopters can also indicate which city should embrace a novel technology such as fuel cell electric vehicles (FCEVs).

Contributions might refresh the state-of-the-art, point out the benefits of emerging technologies, or investigate novel schemes and applications.

Original contributions including experimental validation are expected. The topics of interest include, but are not limited to:

- Design of stations with renewable plants;
- Customer behavior;
- Forecasting the diffusion of EVs or FCEVs;
- Power converters for the charge AC/DC or vehicle-to-grid DC/AC.

Dr. Fabio Viola
Guest Editor

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Special Issue

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Message from the Editor-in-Chief

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