Electric Vehicle Charging

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2018)

Message from the Guest Editor

Dear Colleagues,

The number of electric vehicles (EVs) is expected to increase significantly in the near future, due to their advantageous characteristics. To support this kind of mass deployment of EVs, the development of charging technologies for EVs is crucial, as well as their demonstration and deployment. In addition, support from governments, in terms of policy, as well as understanding and willingness from the community, are also strongly needed.

This Special Issue focuses on several aspects related to the charging of EVs, including technology, regulation, standards, demonstration, and social influences. The following topics are welcomed, but are not limited to:

- Charging technologies, including regular and fast charging, wired and non-wired charging,
- Battery management
- Charging control and management
- System demonstration
- Charging standards, including charger, connector, information transmission
- Social influences
- Policy
- Correlation to vehicle-to-grid services
- Integration of REs for EVs charging

mdpi.com/si/12361