

Special Issue

Electric Vehicle Charging Networks

Message from the Guest Editor

Global warming accompanied by the energy crisis and environmental degradation have triggered a paradigm shift from the use of vehicles driven by internal combustion engines (ICEs) to electric vehicles (EVs). Driving range anxiety is associated with EVs as their range is lower than the range of ICE vehicles. Thus, the large-scale deployment of EVs calls for the development of sustainable and easily accessible charging networks. Hence, this Special Issue seeks to contribute to promoting the EV charging network agenda through illuminating the scientific and multidisciplinary knowledge regarding different aspects of charging station deployment. Topics of interest for this publication include, but are not limited to:

- Charging technologies for EVs
- Impact of charging networks on the power grid
- Charging station placement
- Algorithms for planning of charging station networks
- Interaction of charging stations with grids (G2V and V2G)
- Scheduling of charging activity in charging station networks
- Smart charging
- Big data analytics in charging station networks
- Renewable energy integrated charging stations

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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