Special Issue

Electric Vehicles in Smart Grids

Message from the Guest Editors

This Special Issue aims to establish a bridge between the present and future perspectives of EVs in smart grids, joining original contributions from different perspectives, including academic scientists and researchers, and professional communities. Topics of interest include but are not limited to the following:

- Unified EV charging systems with renewable energy sources and energy storage systems;
- Innovative operation modes for EVs considering on-grid and off-grid scenarios;
- EV operation as a power conditioner for smart grids;
- Advanced EV battery chargers considering on-board and off-board technologies;
- Innovative EV battery chargers employing emerging technologies of power electronics;
- EV integration in smart homes or microgrids as smart grid enablers;
- EV charging systems in industrial, commercial, and residential scenarios;
- EV integration as a contribution for energy control and decision, and demand response;
- New contributions for EV propulsion systems;
- EV wireless power transfer (WPT) systems in smart grids.

For further details of this special issue, please click here.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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