

Special Issue

Battery Chargers and Management for Electric Vehicles

Message from the Guest Editor

The topics of interest include but are not limited to the following:

- new battery types with new types of charging;
- control of the battery cells charge distribution;
- state-of-charge (SoC) and state-of-health (SoH) determination;
- wired and wireless energy transfer for battery charging;
- power converters for regulating the charge of the battery;
- bi-directional charging, especially for braking energy absorption;
- wireless data transfer for the safe charging of batteries;
- chargers applying solar energy;
- general control system of the car and the charging control;
- on-line charging (during the EV movement);
- three-phase bi-directional converter for propulsion/charging of EVs;
- reliability of the batteries and chargers: parallel and series probability;
- general influence of EV charging to the common grid;
- how to recycle or continue using the old batteries;
- mid-voltage “transformer-less” converters for charging EVs, future DC grids;
- environmental conditions during charging and electromagnetic effects;
- other similar topics.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)



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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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