Special Issue

Emerging Trends in Control-Oriented Modeling of Hybrid Electric Vehicles in a Connected Framework

Message from the Guest Editor

The scope of this Special Issue is to document the state of the art of control-oriented modeling and design of hybrid electric vehicles, with special focus on the new emerging trends connected to new paradigms of mobility. Submissions can focus on the conceptual and applied research in topics including, but not limited to, the following:

- Hybrid and alternative drive vehicles;
- Energy management and control of hybrid vehicles;
- Batteries and BMU for hybrid;
- Control oriented modeling for HEV;
- Studies on HEV topologies;
- Drivability issues in HEVs;
- Hardware-in-the-Loop applications to HEVs;
- Fuel-cell hybrid vehicles;
- Solar hybrid vehicles;
- Hybridization of conventional cars.

Welcome to contribute.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2021)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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