

Special Issue

Optimization-Based Energy Management Strategy for Hybrid-Electric Vehicles

Message from the Guest Editor

Vehicle weights have been increasing, initially driven by progress in crashworthiness, and lately by the electrification of the vehicles. This additional weight increases the overall energy demand, resulting in reduced range and increased emissions. Limited raw materials combined with the need to reduce emissions, driven by the socio-political agendas requires manufacturers to devise systems that are more energy efficient. Submissions can address the conceptual and applied research in hybrid-electric vehicles with focus on topics including, but not limited to, the following: Powertrain energy efficient; Impact of parasitic and comfort load on overall powertrain energy management; Impact of battery technology on powertrain management; Vehicle trajectory prediction and energy management; Keywords: Optimization; Hybrid electric vehicle; Intelligent; Adaptive; Predictive; Safe; Secure; Power train; Parasitic load; Comfort load Welcome to contribute.

Guest Editor

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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 guest-edited by leading experts in selected topics of interest.

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