



Modeling and Control of Hybrid Vehicles

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Message from the Guest Editors

Dear Colleagues,

In the global quest to move toward cleaner and more fuel-efficient energy and propulsion systems for automotive and off-road application, hybridization plays a fundamental role. In fact, most novel technologies/solutions in the field of automotive and off-road propulsion involve the integration of internal combustion engines with other power systems.

While these alternative energy conversion systems offer many new opportunities, they also present new developmental challenges. Due to the many variants and possible combinations, development issues, such as the definition of powertrain concepts and the design of the optimization of operating strategies, as well as system integration and the interaction of control units, are becoming more and more important.

Bearing in mind this strong interplay, this Special Issue will deal with new trends in the hybridization of conventional power units based on internal combustion engines, focusing on technologies and components design, experimental testing, modeling, and control for hybrid vehicles.





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Message from the Editor-in-Chief

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