Special Issue

Hybrid Vehicle Technologies for a Sustainable Future Mobility

Message from the Guest Editors

The global warming problem has been accelerated recently, because the vehicle fleet around the world has increased exponentially. The governments are establishing more restrictive emissions regulations, imposing drastic reductions in the CO2 levels allowed to be emitted from the vehicles fleet. The combination of electric machines with conventional powertrains can diversify the powertrain architectures and bring the opportunity to save energy in greater extents. Thus, the development of novel powertrain solutions with different electrification degrees is required to obtain environmentally friendlier vehicles that ensure a sustainable future mobility. This Special Issue encourages both academic and industrial researchers working in this field to share their latest findings and developments on hybrid vehicles. The topics of interest include (but are not limited to):

- Experimental studies on hybrid platforms;
- Development of control strategies to optimize the energy management;
- Simulation studies about performance and emissions in driving cycles;
- New hardware development for hybrid vehicles;
- Life cycle analysis studies of hybrid vehicles.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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