Special Issue

Advanced Technologies in Electrified Vehicles

Message from the Guest Editors

Special Issue's topic include, but not limited to:

- Novel propulsion architectures for electrified vehicles to enhance the effects of energy efficiency and maneuverability.
- Advanced estimation of vehicular sub-systems' dynamics and short-term/long-term driving conditions, road conditions, motion states, to improve the operation effects.
- Control strategies, including powertrain power flows optimization, vehicle dynamics control, ecological adaptive cruise control, motion planning, fleet management, and among them.
- Diagnosis and fault-tolerance scheme of energy sources, sensors, and actuators to conduct drive safety, energy economy, lifetime extension, and so on.
- Exploitation of V2X techniques in parameters sizing, state estimations, and control.
- Advanced modelling and simulation approaches to improve the developments of vehicle functions, including digital-twin techniques and implementations, high-efficiency program framework design under embedded platform.
- Application cases for ground vehicles under structured/ unstructured roads, underwater robots, vessels, aircrafts, and so forth.

Guest Editors

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Prof. Dr. Chao Han

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Deadline for manuscript submissions

closed (31 August 2023)

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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