



## Advanced Technologies in Electrified Vehicles

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Deadline for manuscript  
submissions:

**closed (31 August 2023)**

### 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.





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## Message from the Editor-in-Chief

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