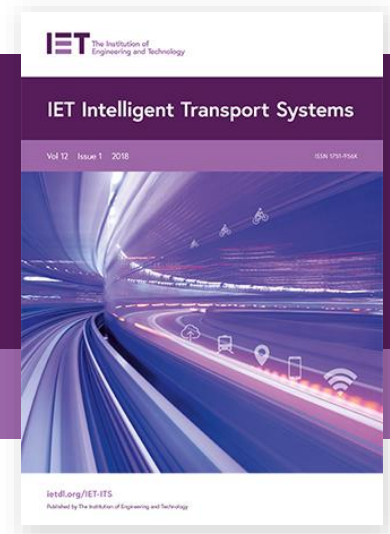


IET Intelligent Transport Systems Call for Papers

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Special Issue on: Advanced Energy Management System for Intelligent Electric Vehicles

Reducing transportation-related energy consumption and greenhouse gas emissions has attracted tremendous interest. To develop intelligent vehicles, replace traditional engines with on-board electrochemical energy storage power systems to drive vehicles, is one of the most revolutionary notions in the automobile industry. In order to alleviate users' driving range anxiety, the energy density of battery continues to increase and the number of batteries continues to increase, and the applications of various hybrid energy system continues to promote, which in turn brings safety anxiety to users. Therefore, developing advanced energy management systems are essential for to achieve the safe and efficient operations of intelligent electric vehicles.

The main objective of this Special Issue is to provide a platform for presenting the latest advances in the development of advanced energy management system for intelligent electric vehicles. The energy source of intelligent electric vehicles for this special issue includes not only lithium-ion batteries, but also batteries of other material systems, super-capacitors and hybrid energy storage system, etc. We welcome original research articles as well as review articles that provide a critical overview on the state-of-the-art of technology development.

Topics of interest include, but are not limited to:

- Modelling and simulation of vehicle energy system
- SOX estimation of vehicle energy system
- Fault diagnosis and early warning of energy system
- Artificial Intelligence in energy management
- Big Data analytics for energy management
- Lifecycle analysis, repurposing, and recycling of batteries
- Reliability evaluation of vehicle energy system
- Thermal runaway and protection of vehicle energy system
- Optimal charging strategy for intelligent electric vehicles
- Thermal management for vehicle energy system

From January 2021, The IET will begin an Open Access publishing partnership with Wiley. As a result, all submissions that are accepted for this Special Issue will be published under the Gold Open Access Model and subject to the Article Processing Charge (APC) of 2,200 USD. For further information on APCs, and support for APCs including Wiley's institutional agreements and Research4Life initiative which offers waivers and automatic discounts for certain countries, please see our [FAQs](#). Please submit your paper via [ScholarOne](#), and for more information about the journal please visit our [website](#) and read our [Author Guide](#).

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