

Special Issue

Advances in Intelligent Vehicle Control Systems

Message from the Guest Editors

The era of intelligent vehicles has come. Superior vehicle intelligence is promising to improve drive safety, road utilization, energy efficiency, and environmental friendliness, leading to significant revolutions in industry and daily life. However, to make these happen, research communities still need to address several challenges. A vehicle system is a multi-component coupling and highly nonlinear device, leading to huge difficulties in improving the effects of modelling, sub-system state estimation, and control. Perception information about surrounding environments, drive conditions, and vehicle states is non-negligible for intelligent vehicles, but many challenges are still to be addressed, especially under off-road driving conditions. The increasing utilization rate of intelligent vehicles, as well as vehicle-to-vehicle/vehicle-to-cloud communication, also raise demands for the development of timely fault diagnosis, effective fault-tolerance schemes, reliable information selection, the framework applicability of strategies, etc.

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.

Editor-in-Chief

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