Special Issue

Artificial Intelligence-Enabled Vehicle Systems: Modeling, Control Optimization and Fault Diagnosis

Message from the Guest Editors

Advances in artificial intelligence (AI) have opened new frontiers in the design, optimization, and monitoring of intelligent vehicle systems. This Special Issue invites original research articles, review papers, and case studies focusing on cutting-edge applications of AI in vehicle system modeling, control optimization, and fault diagnosis. We encourage contributions addressing theoretical advancements, algorithm development, innovative simulation approaches, and practical implementations across various vehicle domains, including autonomous ground vehicles, unmanned aerial vehicles, maglev trains, rail transit, marine vehicles, and related intelligent transportation platforms. We look forward to receiving your valuable contributions to help drive progress in this exciting interdisciplinary research field.

Guest Editors

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

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