

Special Issue

Advances in Dynamics and Control of Vehicles

Message from the Guest Editors

Dynamics and control is a classic and important research direction in the field of vehicle engineering. It serves as foundational technology that ensures critical performance metrics, such as vehicle operational safety, stability, and ride comfort. Under the trends of intelligitization and electrification, vehicles have been equipped with advanced sensors, including cameras, radar, and positioning navigation systems, which enable the acquisition of more external environmental information and vehicle status data. Simultaneously, innovations and upgrades in actuators, such as the powertrain, braking system, steering system, and suspension system, have provided vehicles with greater controllability. Consequently, these advancements have led to the emergence of numerous new theories and technologies in vehicle dynamics and control. This Special Issue aims at attracting researchers to present recent advances and technologies in the aforementioned fields, indicating the future trends for dynamics and control of vehicles.

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Deadline for manuscript submissions

closed (30 September 2025)



Machines

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Impact Factor 2.5
CiteScore 4.7



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About the Journal

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.

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