

Special Issue

Dynamics and Control of Autonomous Vehicles

Message from the Guest Editors

The rather complex problem of autonomous vehicles control has captured the attention of multi-disciplinary researchers for many years now. Although computer science initially showed promise in solving this problem, we now know that the nonlinearities and complexities involved in critical scenarios of the problem requires dynamics scientists and experts to address the remaining issues, especially considering the safety, comfort and convenience of passengers, as well as the variable environmental factors and highly stochastic fellow agents, such as other vehicles and pedestrians. This Special Issue aims to bring researchers together to present recent advances and technologies in the field of dynamics and control, passenger-centered control, and safety critical control of autonomous vehicles while addressing uncertainty in autonomous vehicle control.

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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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