

Special Issue

Advanced Actuation and Control Technologies for Vehicle Driving Systems

Message from the Guest Editors

Actuators are essential in any vehicle system to ultimately execute control decisions at the wheel, relaying information to the transmission and powertrain. This Special Issue addresses the need to develop relevant advanced technologies, considering emerging control applications in any advanced vehicle systems and specifically covering the following topics:

- Modelling, prediction, and control of the driving behavior of autonomous vehicles;
- Vehicle dynamics and control technologies;
- Predictive- and learning-based control to improve autonomous vehicles safety and performance;
- Estimation and sensing for autonomous vehicles;
- Novel design of autonomous vehicles powertrain and chassis subsystems;
- User-automated vehicle interaction, focusing on autonomous vehicle comfort and acceptance;
- Vibration suppression of in-wheel motor-active suspensions against negative electromechanical coupling influences.

We look forward to your valuable contributions.

Guest Editors

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Editor-in-Chief

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