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Dynamics Modelling and Control of Electrified Chassis for Intelligent Vehicles

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Deadline for manuscript
submissions:

closed (31 July 2024)

Message from the Guest Editors

The aim of the Special Issue is to report the latest academic research results, including innovative technical research, engineering developments cases, technical reviews, as well as analytical and assessment papers from different disciplines that are relevant to the topic of chassis-by-wire technologies for future intelligent electric vehicle applications. Hence, both regular technical articles and review articles are welcomed. The scope of the research topic includes but not limited to:

- Design and dynamics modeling of active chassis actuator systems;
- Dynamic response analysis and control of active chassis actuators;
- Smart actuators' advanced control for synthesizing efficiency and functional safety;
- Driving/braking force allocation and vehicle dynamics performance evaluation;
- Chassis dynamics control systems coordination and integration of IEVs;
- Decision making and trajectory planning in complex and urgent scenarios;
- State estimation and parameter identification for advanced motion control.



mdpi.com/si/170105

Special Issue



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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q2 (Automotive Engineering)

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