



Actuators and Control of Intelligent Electric Vehicles

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Message from the Guest Editors

As main functional components in IEVs, advanced actuators and control algorithms for steering, driving, and braking systems are of great importance. Advanced actuators yield different control frameworks and strategies for IEVs, such as anti-lock brake systems (ABS), autonomous emergency braking (AEB), electronic stability control (ESC), differential braking, active front steering (AFS), active rear steering (ARS), and active suspension systems (ASS). Thanks to advanced control frameworks and strategies, the performance of IEVs can be substantially improved.

This Special Issue welcomes papers on any aspect of advanced actuators for IEVs and the design of control algorithms. Topics of interest within the scope of this Special Issue include (but are not limited to):

- X-by-wire actuators for IEVs;
- Advanced actuators for steering, braking, and driving;
- The control of active suspension systems;
- Advanced control algorithms for IEVs;
- Collaborative or shared control between human drivers and IEVs;
- Advanced Driving Assistance Systems (ADAS);
- The decision making, motion planning, and control of IEVs.

