



Fault Detection and Isolation, Fault Tolerant Control for Autonomous and Transport Vehicles

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Autonomous vehicles have captured the attention of multi-disciplinary researchers for a number of years. Considering the safety, comfort and convenience of passengers, there is a pressing need to develop more advanced vehicle state estimation, motion control, and diagnosis technologies.

This Special Issue will focus on publishing novel approaches to detecting and localizing the faults of autonomous and transport vehicles. We also encourage submissions on advanced state estimation and vehicle dynamics-based control strategies for autonomous vehicles. Original and innovative research studies from both academic and industrial research teams are welcomed. Potential topics include, but are not limited to:

- vehicle state estimation
- chassis control
- active suspension control
- fault detection and isolation
- fault diagnosis and fault-tolerant control
- vehicle motion control
- active and semiactive vibration control
- smart materials and structures

