

Special Issue

Vehicle Sensing and Dynamic Control

Message from the Guest Editors

This Special Issue will address innovative research in the following areas: The modeling and control of vehicle behavior: vehicle model, tire dynamic model, online learning and adaptation, model-based controller, linear-quadratic regulator (LQR), sliding mode control (SMC), H-infinity, and model predictive control (MPC). Vehicle state estimation: Sensor fusion, Kalman Filtering (EKF, UKF), Recursive Least Squares (RLSs), Particle Filter, and Complementare Filter. Active safety systems: development of intelligent control algorithms for anti-lock braking systems (ABSs), traction control systems (TCSs), electronic stability program (ESP), advanced driver assistance systems (ADASs), and the integration of related active safety features/devices into new vehicles.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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