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Driving Automation Systems and Connectivity for a Sustainable Mobility

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

This Special Issue encourages researchers working in this field to share their latest findings for advanced driver-assistance systems (ADAS) and connected and autonomous vehicles (CAVs) to improve a sustainable mobility, e.g., experimental tests, control strategies, and new layouts of CAVs.

Specific topics of interest for publication include but are not limited to:

- Theory, methods, models, optimization and control of xEVs equipped with driving automation systems;
- Sensors, data processing and management of xEVs and CAVs;
- Scenario definition, testing and validation (xIL, etc.) of DASs;
- Assessment of CAVs environmental impact and energy savings;
- Advanced control strategies (MPC, AI, etc.) for driving automation system applications;
- Eco-driving solutions for xEVs and CAVs;
- Trajectory planning and vehicle control from the perspective of energy consumption, driveability and/or battery lifetime;
- Dedicated solutions for cooperative adaptive cruise control (CACC) and platooning.



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Special Issue



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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