Special Issue

Driving Automation Systems and Connectivity for a Sustainable Mobility

Message from the Guest Editors

This Special Issue encourages researchers working in this field to share their latest finidngs 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.

Guest Editors

Dr. Daniela Anna Misul

Department of Energy, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

Dr. Gabriele Di Blasio

STEMS - CNR, via Marconi, 4, 80125 Napoli, Italy

Prof. Dr. Alfredo Gimelli

Department of Industrial Engineering, University of Naples Federico II, 80100 Naples, Italy

Deadline for manuscript submissions

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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