



Driving Automation Systems and Connectivity for a Sustainable Mobility

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:

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.



mdpi.com/si/124193

Dr. Daniela Anna Misul

Dr. Gabriele Di Blasio

Prof. Dr. Alfredo Gimelli

Guest Editors

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)