Artificial Intelligence and Internet of Things in Autonomous Vehicles

Guest Editors:

Dr. Saber Fallah
Department of Mechanical Engineering Sciences, Connected Autonomous Vehicle Lab, University of Surrey, Guildford GU2 7XH, UK

Prof. Dr. Dimitrie Popescu
Department of Electrical and Computer Engineering, Old Dominion University, 231 Kaufman Hall, Norfolk, VA, USA

Deadline for manuscript submissions:
closed (28 October 2022)

Message from the Guest Editors

Dear Colleagues,

The continuous progress of automated vehicle driving functions as well as the global deployment of Cooperative Intelligent Transport Systems (C-ITS) both motivate the research, innovation, and development of new traffic control strategies and ITS services. These activities will enable the transition from fully conventional traffic flows towards fully automated vehicle traffic. However, fully automated operation remains a challenge due to the inherent difficulties and safety concerns of real-world driving, especially in an urban setting, which is characterised by uncertainty over the intentions of other road users. Integration of V2X communication has the potential to reduce uncertainty by sharing information between road users and government-owned road infrastructure. However, traditional manual vehicles will dominate road use in the short-to-medium-term future.

This Special Issue encourages authors from academia and industry to submit new research results about technological innovations and novel ideas for connected automated vehicles (CAVs), with special interest for artificial intelligence and Internet of Things and their safety impacts.

Special Issue

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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.

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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us