electronics

an Open Access Journal by MDPI

IMPACT FACTOR 2.6

CITESCORE 6.1

Machine Learning and Embedded Computing in Advanced Driver Assistance Systems (ADAS) , Volume II

Guest Editors:

Prof. Dr. John E. Ball
Department of Electrical and Computer Engineering, Mississippi State University, 406 Hardy Road, 216 Simrall Hall, Mississippi State, MS 39762, USA

Dr. Ning Wang
School of Automotive Studies, Tongji University, Shanghai 201804, China

Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

This Special Issue aims to cover the most recent advances in autonomous and automated vehicles of all kinds (commercial, industrial) including their interaction with other vehicles, road users or infrastructure. Novel theoretical approaches or practical applications of all aspects of ADAS systems are welcomed. Reviews and surveys of the state-of-the-art are also welcomed. Topics of interest to this Special Issue include, but are not limited to, the following topics:

- Deep learning and machine learning in ADAS systems
- Intelligent navigation and localization
- Scene understanding (e.g., driver intent, pedestrian intent, etc.)
- Obstacle detection, classification, and avoidance
- Pedestrian and bicyclist detection, classification, and avoidance
- Vehicle detection and avoidance
- Animal detection, classification, and avoidance
- Road traffic sign detection and classification
- Autonomous parking
- Multi-sensor data processing and data fusion
- Collision avoidance algorithms
- Actuation systems for autonomous vehicles
- Vehicle-to-vehicle and vehicle-to-infrastructure communication
- Advanced vehicle control systems
- Computing platforms and running complex ADAS software in real-time

mdpi.com/si/96674

Special Issue

electronics

IMPACT FACTOR 2.6

CITESCORE 6.1

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.
Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/electronics
electronics@mdpi.com
𝕏@electronicsMDPI