

## Special Issue

# Development and Application of Computer Vision and Perception in Vehicles

### Message from the Guest Editors

The rapid evolution of computer vision and perception systems is revolutionizing the automotive industry, driving innovations in autonomous vehicles, advanced driver assistance systems (ADASs), and connected mobility solutions. As vehicles operate in increasingly dynamic and complex environments, robust vision systems are essential for enhancing safety, optimizing energy efficiency, and advancing sustainable transportation. This Special Issue aims to showcase the latest research and practical solutions addressing these challenges, pushing the boundaries of what is possible in vehicle vision and perception technologies. This Special Issue aims to bring together cutting-edge research and practical innovations that address critical challenges in the development and deployment of vision and perception systems for vehicles. By bridging foundational algorithms with emerging technologies and real-world applications, this Special Issue seeks to shape the future of intelligent, sustainable, and secure transportation systems.

### Guest Editors

Dr. Mark Amo-Boateng

Dr. Maged Shoman

Dr. Armstrong Aboah

### Deadline for manuscript submissions

closed (15 March 2026)



## Electronics

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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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