

## Special Issue

# Electric Vehicle Autonomous Driving Based on Image Recognition

### Message from the Guest Editors

This Special Issue focuses on the dynamic interaction between electric vehicle (EV) autonomous driving and image recognition by exploring cutting-edge advancements in this rapidly evolving field. This collection of potential articles delves into the application of image recognition techniques to enhance the perception and decision-making capabilities of autonomous electric vehicles. From leveraging artificial intelligent object detection and lane tracking to the real-time recognition of traffic signs and pedestrians, these potential contributions illuminate the pivotal role of computer vision in creating safe and efficient EV autonomous systems. This Special Issue serves as a platform for researchers, engineers, and practitioners to share innovative methodologies, case studies, and insights, fostering the development of intelligent, sustainable, and future-ready autonomous electric transportation.

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### Guest Editors

Dr. Yuan-Wei Tseng  
Prof. Dr. En-Chih Chang  
Prof. Dr. Chun-An Cheng

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### Deadline for manuscript submissions

closed (30 June 2025)



## World Electric Vehicle Journal

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an Open Access Journal  
Published by MDPI

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Impact Factor 2.6  
CiteScore 5.0



[mdpi.com/si/183559](https://mdpi.com/si/183559)

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## About the Journal

### Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of the World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal has aimed to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

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### Editor-in-Chief

Prof. Dr. Joeri Van Mierlo

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#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q2 (Automotive Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).