Special Issue

Modeling for Intelligent Vehicles

Message from the Guest Editors

The main aim of this Special Issue is to seek high-quality submissions highlighting recent breakthroughs in intelligent vehicle technologies and applications, including autonomous vehicle behaviors, perceptions, motion plannings, cooperative controls, connected technologies, end-to-end systems, etc. Potential topics include but are not limited to the following categories:

- Perception models integrating sensor data;
- Prediction- and optimization-based planning and control;
- Control Strategies for hybrid-driving traffic flow;
- Simulation and validation frameworks for intelligent vehicle systems;
- Machine learning and AI applications in vehicle modeling;
- Safety, reliability, and robustness of modeling approaches;
- Case studies and real-world applications of intelligent vehicle modeling;
- Traffic management for intelligent vehicles;
- End-to-end autonomous driving.

Guest Editors

Dr. Weike Lu

School of Rail Transportation, Soochow University, Suzhou 215006, China

Dr. Zhihong Yao

School of Transportation and Logistics, Southwest Jiaotong University, Chengdu 611756, China

Deadline for manuscript submissions

closed (31 May 2025)

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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.

Editor-in-Chief

Prof. Dr. Joeri Van Mierlo
MOBI—Electromobility Research Centre, Department of Electrical Engineering and Energy Technology, Faculty of Engineering Sciences, Vrije Universiteit Brussel, 1050 Brussel, Belgium

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