

Special Issue

Vehicle-Road Collaboration and Connected Automated Driving

Message from the Guest Editors

Connected automated vehicle (CAV) technologies have the potential to change transportation on a global scale. These technologies may work at various automation levels of the vehicle and at the infrastructure level or both, which will improve safety, significantly alter transportation costs, and change traffic congestion. Thus, connected automated driving means that the vehicle senses the surrounding environment by using onboard sensors, makes control decisions based on the information collected and fused, and makes vehicle control decisions, including both longitudinal control and lateral control. Since CAV communicates and shares different levels of information among vehicles between vehicles and pedestrians and between vehicles and infrastructures according to different connectivities, it enables different levels of vehicle automation and accounts for different levels of integration among vehicles and infrastructure. The objective of this Special Issue is to propose a systematic vision of vehicle-road collaboration and connected automated driving.

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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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