

Special Issue

Trends and Emerging Technologies in Electric Vehicles

Message from the Guest Editors

Whether in developed countries or emerging economies, convenient and efficient transportation is the backbone of economic prosperity. However, it brings crises such as energy shortages, environmental pollution, health hazards, and traffic congestion that cannot be ignored. Electric vehicles (EVs) are the key to solving the challenges of sustainable urban transportation and the first choice for greener and smarter travel. At this stage, the promotion and large-scale commercialization of EVs still face some major challenges. Emerging EV technologies and trends include wireless charging, smart electricity grids, Vehicle-to-Home (V2H) and Vehicle-to-Grid (V2G) technologies, connected vehicles (CVs), autonomous driving, shared mobility, and battery recycling and reuse technologies will greatly benefit EV stakeholders and further promote EV adoption. Combining emerging technologies will also make EVs greener and smarter. Therefore, exploring new trends and novel technologies for electric vehicles is an indivisible part of realizing social sustainable development and greener and smarter transportation in the future.

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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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