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Electric Vehicle Autonomous Driving Control

Guest Editor:

Dr. Daniel Fenyes

Systems and Control Laboratory,
Institute for Computer Science
and Control (SZTAKI), Eötvös
Loránd Research Network
(ELKH), H-1111 Budapest,
Hungary

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Message from the Guest Editor

In recent years, the development of fully electric vehicles has become the primary focus of the automotive industry. Electric vehicles also provide a solid platform for autonomous driving due to their lower complexity compared to traditional, combustion engine-based vehicles. However, in order to reduce the manufacturing cost, expensive sensors must be avoided. Therefore, the control and estimation algorithms employed must be robust enough to deal with the inaccuracy of low-cost sensors.

This Special Issue focuses on the following problems:

1. The lateral and longitudinal control of autonomous vehicles, which can extend the operational range of fully electric vehicles.
2. Battery management and look-ahead control strategies.
3. The estimation of the non-measurable or costly measurable states of the vehicle.

This Special Issue also welcomes the submission of both theoretical and experimental unpublished results.



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Special Issue



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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

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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Contact Us

World Electric Vehicle Journal
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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