Special Issue

Artificial Intelligence and Digital Twins Applications towards Vehicles Monitoring, Management, Control, and Safety Technology

Message from the Guest Editors

Vehicle monitoring, management, control, and intelligent safety technologies have recently been paid increased attention by researchers around the world. The safety systems of intelligent vehicles are developed based on advanced electronics technology such as radar, vision processing, and human–machine interfaces. In addition, the rapid development of artificial intelligence (AI), digital twins, and internet of things (IoT) technologies and their applications in daily life have a huge impact on the concepts, designs, and manufacturing of vehicles. The scope of this Special Issue, "Vehicle Engineering and Intelligent Safety Research", is to encourage engineers, scholars, and researchers to present research achievements in state-of-the-art technologies with respect to intelligent vehicle management, control, and safety technologies.

- Digital twins for vehicle engineering;
- Communications and internet of things (IoT) technologies for EVs;
- Path planning or artificial intelligence of vehicles;
- Hybrid and electric vehicles;
- Advanced manufacturing technology for smart vehicles;
- Intelligent transportation systems;

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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