Special Issue

Artificial Intelligence in Automotive Technology

Message from the Guest Editors

Autonomous vehicles (AVs) will have a global impact that will change society, roadway safety, and transportation systems in the future. They offer new opportunities to meet the ever-increasing demands in urban mobility and the modern logistics sector. The rise of machine learning enables new approaches to AV algorithms, bringing the first AVs on public roads in cities such as Phoenix and San Francisco. However, there are still significant challenges regarding robustness, for example, in complex scenarios (edge cases) or severe weather conditions, which are often approached by sensor fusion techniques. Additionally, transferring existing algorithms to new domains still requires vast amount of data, which are increasingly replaced by simulated or synthetic sensor data. The Special Issues covers all relevant aspects in the field of artificial intelligence, with a particular focus on machine learning and deep learning techniques. In addition, all theoretical aspects will be related to automotive technology topics in the context of sensors. For detailed information, please visit here.

Guest Editors

Prof. Dr. Markus Lienkamp

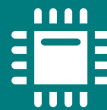Maximilian Geisslinger

Felix Fent

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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