



Sustainable Autonomous Driving Systems

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Message from the Guest Editors

The development of sustainable autonomous driving systems is a critical research area, given the increasing demand for efficient, eco-friendly, and safe transportation. Autonomous driving is an emerging field that requires complex and efficient algorithms to process sensor data and make decisions in real time. One of the main challenges in this field is designing sustainable and light-weight models that can run on resource-constrained devices, such as embedded systems or low-power processors, while still achieving high accuracy and robustness. The Issue features articles that cover various aspects of sustainable autonomous driving systems, including the latest computer vision and machine learning algorithms, such as network architecture design, network architecture search, light-weight model design on image/BEV/point-cloud perception algorithms, and other autonomous-driving-related topics. This Special Issue highlights the importance of sustainable technology in reducing the environmental impact of transportation and promoting sustainable development in the field of autonomous driving.





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