Special Issue

Sustainable Autonomous Driving Systems

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/pointcloud perception algorithms, and other autonomousdriving-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.

Guest Editors

Dr. Guangliang Cheng

Dr. Ting-Bing Xu

Dr. Xiangtai Li

Deadline for manuscript submissions

closed (15 February 2024)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/169832

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

