Special Issue

Machine Learning for Secure and Efficient Connected and Autonomous Vehicles

Message from the Guest Editors

Connected and autonomous vehicles (CAVs) are transforming intelligent transportation systems by integrating automation, connectivity, and machine learning (ML). Advanced sensor networks, along with diverse communication modes, facilitate real-time information exchange which is essential for safe navigation and route planning. By reducing congestion and fuel consumption, CAVs can ultimately foster eco-friendly urban mobility and resilient transportation infrastructures that support sustainable development goals. We welcome contributions that address challenges in data-driven sensor fusion, real-time decision-making, and robust communication protocols, while also focusing on optimizing perception, localization, planning, and control mechanisms. Topics of interest include, but are not limited to, the following:

- intelligent transportation systems
- connected and autonomous vehicles
- sustainable transportation
- vehicular networks
- machine learning
- sensor fusion
- traffic efficiency
- autonomous driving
- perception and localization

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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. *Sustainability* publishes original research articles, review 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

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