Special Issue

Machine Learning for Connected and Autonomous Vehicle for Mixed Traffic Environment

Message from the Guest Editors

This Special Issue covers the following relevant areas (not an exhaustive list):

- Vehicle trajectory prediction;
- Driving behavior prediction;
- Safe and efficient longitudinal and lateral movements;
- Route planning in mixed traffic;
- Vehicle routing in mixed traffic;
- Reliable vehicular communications;
- Edge/fog-computing-assisted traffic management;
- Driving CAVs under legacy road and traffic situations;
- Vehicle clustering;
- Vehicle state estimation;
- CAV communication technologies (WiFi/DSRC/5G LTE/cognitive communications);
- Efficient ML (deep learning, reinforcement learning, etc.)-based CAV computation and architecture;
- Co-operative and distributed federated learning for CAVs;
- ML-assisted security and privacy in CAVs;
- Energy efficiency in mixed traffic.

Prof. Dr. Peter Chong

Guest Editors
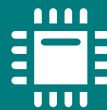
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Message from the Editor-in-Chief

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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