Special Issue

Machine Learning Techniques in Autonomous Driving

Message from the Guest Editor

Technical advancements in this area of study are thought to hasten the convergence of current and developing autonomous vehicle systems, paving the way for machine-learning-based xGeneration autonomous vehicle systems. The scope of the Special Issue includes, and is not limited to, the following topics:

- Deep learning for perception and environment awareness for V2X networks;
- Unsupervised and supervised learning for autonomous driving;
- Real-time prediction and edge computing utilizing machine learning;
- Deep-learning-assisted coordination between on-board vehicle and infrastructure sensors;
- Practical consideration on machine learning for autonomous driving metrics;
- Wireless channel propagation modeling: vehicle to infrastructure, vehicle to vehicle and ground vehicle to aerial vehicles;
- Cybersecurity for autonomous systems;
- Enhanced transfer learning for autonomous driving.

Guest Editor

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Deadline for manuscript submissions

closed (15 July 2024)

Electronics

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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