Special Issue

End-to-End Autonomous Driving

Message from the Guest Editors

In the past decade, with the continuous development of deep learning technology and its in-depth application in the field of autonomous driving, the performance of autonomous driving algorithms has been greatly improved. In the process of the development of autonomous driving technology, technologies such as vehicle-to-everything, HD maps, and modular pipeline have emerged. However, these technologies have disadvantages such as high implementation costs, high maintenance costs, and performance degeneration in complex scenarios. As algorithms develop in the direction of simplification and embodiment, end-to-end models have become the mainstream of current research, and their performance has been greatly improved compared to previous technologies, allowing people to see the dawn of large-scale applications of autonomous driving technology.

This Special Issue will accept research work on topics related to end-to-end autonomous driving, including but not limited to the following topics: 1. End-to-End Path Planning;
2. Motion Control;
3. Environment Perception;
4. Simulation;
5. Datasets;
6. Evaluation Method.

Guest Editors

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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.

Editor-in-Chief

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