

Special Issue

Learning-Empowered Autonomous Driving and Intelligent Transportation Systems

Message from the Guest Editors

The rapid integration of artificial intelligence (AI) into transportation systems is transforming the foundation of autonomous driving and mobility management. To foster interdisciplinary research at the intersection of learning, system intelligence, and transportation, we can announce a Special Issue on “Learning-Empowered Autonomous Driving and Intelligent Transportation Systems”.

Topics of interest include, but are not limited to, the following:

- Learning-enabled system architectures for autonomous driving;
- Multi-agent learning and coordination in transportation systems;
- World models and simulation-driven policy learning;
- Data-centric intelligence for perception, planning, and control;
- Human–AI collaboration and co-driving intelligence;
- Edge-cloud collaboration and large-scale system optimization;
- Digital twins and system-level reinforcement learning for transportation;
- Robustness, safety, and interpretability in learning-based driving systems;
- AI for sustainable, resilient, and adaptive transportation networks;
- Benchmarking, datasets, and evaluation methodologies for intelligent transportation.

Guest Editors

Dr. Haoran Wang

Dr. Jintao Lai

Dr. Heye Huang

Prof. Dr. Jia Hu

Deadline for manuscript submissions



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

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Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

Editor-in-Chief

Prof. Dr. Ben Clegg
Operations & Service Management Department, Aston Business
School, Birmingham B4 7ET, UK

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