Special Issue

Data-Driven Intelligence in Autonomous Systems

Message from the Guest Editors

In this Special Issue, 'Data-Driven Intelligence in Autonomous Systems', we welcome the latest results of data-driven computational solutions which are applicable to autonomous systems. While the list is not exhaustive, some suggested themes for submissions include the following:

- Multiagent systems, including decision making and mechanism design.
- Large foundation models in autonomous systems, particularly with reasoning capabilities.
- Machine learning, including deep learning and reinforcement learning.
- Multimodal analysis.
- Neural architecture search.
- Natural language processing.
- Computer vision.
- System identification, including anomaly detection.
- System optimisation, including both parameter and structural optimisation.
- Partial observability in autonomous systems, including latent and blind signal separation.
- Networked systems such as social networks, smart grids, connected autonomous vehicles, and drones;
- Computer games including serious games and digital twins;
- Digital manufacturing;
- Intelligent tutor systems;
- Granular computing.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2025)

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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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