Special Issue

Recent Developments in Control and Optimization for Multi-Agent Systems

Message from the Guest Editors

Multi-agent systems are composed of multiple autonomous agents that interact with each other and their environment to achieve individual or collective goals. The study of these systems spans across various fields, such as artificial intelligence, robotics, economics, and social sciences. Researchers investigate multi-agents to understand the dynamics of agent interactions, the emergence of collective behavior, and the optimization of system-level objectives. The complexity and interdependencies within multi-agent systems make them an intriguing and challenging area of research with broad applications in real-world scenarios. The objective of this Special Issue is to showcase articles that highlight innovative advancements and outcomes in the theory and implementation of control and optimization algorithms for multi-agent systems. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Multi-agent systems and their applications
- Consensus of multi-agent systems
- Formation control of multi-agent systems
- Reinforcement Learning for multi-agent systems

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2025)

Electronics

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Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/180299

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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.

Editor-in-Chief

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