



## Advances in Fractional-Order Multiagent Systems: Theory and Applications

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Deadline for manuscript  
submissions:  
**closed (15 September 2025)**

### Message from the Guest Editor

Multi-agent systems involve a group of agents that perceive and act to complete a complex task in a distributed manner. As a generalization of integer-order multiagent systems, fractional-order multiagent systems possess significant advantages in accurately modeling and characterizing dynamic behaviors of many real-world systems because of their unique characteristics of historical memory. The focus of this Special Issue is to continue to advance research in **all aspects of fractional-order multiagent systems**. Topics that are invited for submission include (but are not limited to):

- Linear fractional-order multi-agent systems;
- Nonlinear fractional-order multi-agent systems;
- Uncertain fractional-order multi-agent systems;
- Distributed coordination of fractional-order multi-agent systems;
- Distributed optimization of fractional-order multi-agent systems;
- Convergence time analysis of fractional-order multi-agent systems;
- Adaptive/robust control of fractional-order multi-agent systems;
- Fault-tolerant control of fractional-order multi-agent systems;
- Applications of fractional-order multi-agent systems.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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