

Special Issue

Applications of Intelligent Game and Reinforcement Learning

Message from the Guest Editor

The convergence of intelligent game theory and reinforcement learning (RL) is revolutionizing decision-making systems across diverse fields. This Special Issue aims to showcase cutting-edge research and practical applications at this intersection. We invite submissions that explore how intelligent game models, powered by advanced RL algorithms, can solve complex, multi-agent problems in dynamic and competitive environments. Topics of interest include the integration of large language models for strategic reasoning, human-computer collaborative decision-making frameworks, multi-channel behavioral interaction analysis, and simulations for complex system management. We seek high-quality original research and review articles that demonstrate theoretical advances, novel methodologies, and innovative applications. The goal is to foster discussion on developing more adaptive, robust, and explainable intelligent systems for the future.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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