Special Issue

Advancements and Applications in Reinforcement Learning

Message from the Guest Editors

Reinforcement learning (RL) is rapidly transforming numerous industries and domains with real-world applications through its capacity to model and adapt learning based on interactions with the environment. This Special Issue (SI) aims to delve into the practical applications and advancements of RL, showcasing how these cutting-edge technologies are driving innovation and efficiency across various sectors. This SI covers a wide range of topics, including, but not limited to, the following:

- **RL in Robotics and Automation**
- **Game Playing and Simulations**
- **Recommendation Systems**
- **Healthcare and Medicine**
- **Multi-Agent Reinforcement Learning**
- **Autonomous Vehicles and Transportation**
- **Adaptive Control and Scheduling**
- **Adaptive User Interfaces and Human–Computer Interactions**
- **Crowd Simulation and Management**
- **Realistic Behaviors Modeling**

We invite submissions that present novel RL algorithms, theoretical advancements, case studies, experimental evaluations, and comprehensive reviews summarizing recent developments.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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