Special Issue

Multi-Agent Deep Reinforcement Learning for Distributed Operation and Control of Microgrids

Message from the Guest Editors

Recently, the applications of the multi-agent system and deep reinforcement learning have attracted much attention for developing the distributed operation and control frameworks as well as handling uncertainty factors. In this Special Issue, we are looking for novel methods, algorithms, and technologies using multi-agent deep reinforcement learning to enhance energy efficiency for distributed operation and control of microgrids. Topics of interest for publication include, but are not limited to:

- Applications of artificial intelligence in distributed operation and control of microgrids
- Decentralized, and distributed operation and control of microgrids
- Energy management systems for microgrids
- Integration of renewables and EVs in microgrids
- Multiagent systems for microgrids
- Operation and control strategies with distributed energy storage systems
- Peer-to-Peer energy trading in a microgrids
- Power quality enhanced operation of distributed microgrids
- Resilience enhancement through/for microgrids

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)

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Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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