Special Issue

Edge-Cloud Computing and Federated-Split Learning in Internet of Things—Second Edition

Message from the Guest Editors

The wide deployment of the Internet of Things (IoT) calls for new machine learning (ML) methods and distributed computing paradigms to enable various ML-based IoT applications to effectively process the huge amount of data in IoT. This Special Issue aims to present the latest research advances in this interdisciplinary field of edge-cloud computing, federated-split learning, and multimodal large models. The Special Issue covers, but is not limited to, the following topics: Hybrid federated–split learning frameworks upon an edge-cloud computing platform;
Privacy and security issues of federated and split learning;
Applications of federated and split learning in IoT (e.g., in industrial IoT, smart city, smart transportation, and smart health environments);
Blockchain-assisted federated and split learning;
Resource management in edge-cloud computing for supporting federated and split learning;
Unified computation-network virtualization in edge-cloud computing for supporting federated and split learning;
Service orchestration in edge-cloud computing for supporting federated and split learning.

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About the Journal

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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