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Edge-Cloud Computing and Federated-Split Learning in the Internet of Things

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Message from the Guest Editors

This Special Issue aims to present the latest research advances in this interdisciplinary field of edge-cloud computing and federated-split learning. The Special Issue covers, but is not limited to, the following topics:

- Algorithms for federated learning in edge-cloud computing;
- Model aggregation for federated learning;
- Communication-efficient federated learning;
- Client incentive and selection in federated learning;
- Decentralized framework architecture of federated learning;
- Split learning algorithms and frameworks;
- Split learning upon an edge-cloud computing platform;
- Split learning performance evaluation and improvement;
- Combining federated learning and split learning;
- 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;
- Blockchain-assisted federated and split learning;
- Resource management in edge-cloud computing for supporting federated and split learning.



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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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