

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.

Guest Editors

Prof. Dr. Qiang Duan

Information Sciences and Technology Department, Pennsylvania State University, Abington, PA 19001, USA

Prof. Dr. Zhihui Lu

School of Computer Science, Fudan University, Shanghai 200433, China

Deadline for manuscript submissions

closed (28 February 2026)



Future Internet

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.3



mdpi.com/si/197594

Future Internet
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
futureinternet@mdpi.com

[mdpi.com/journal/
futureinternet](https://mdpi.com/journal/futureinternet)





Future Internet

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.3



[mdpi.com/journal/
futureinternet](https://mdpi.com/journal/futureinternet)



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.

Editor-in-Chief

Prof. Dr. Gianluigi Ferrari
Department of Engineering and Architecture, University of Parma,
Parco Area delle Scienze, 181/A, 43124 Parma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, dblp, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Information Systems) /
CiteScore - Q1 (Computer Networks and Communications)