

## Special Issue

# Distributed Machine Learning and Federated Edge Computing for IoT

### Message from the Guest Editors

We encourage submissions that address the following topics:

- Distributed Machine Learning algorithms, frameworks, and optimization techniques introducing efficiencies in QoS, performance, and/or costs.
- Federated Learning and Split Learning techniques, algorithms, and/or cross-silo architectures presenting innovations in client selection, communication and global aggregation, privacy preservation, and bias mitigation to enhance model performance and fairness.
- Energy efficiency and carbon-conscious techniques to support sustainable AI-powered IoT and edge computing services by utilizing Distributed Machine Learning.
- Benchmarking, monitoring, and testbeds for Distributed Machine Learning and Federated Edge Computing.
- Novel IoT Applications and/or empirical studies introducing Distributed Machine Learning and Federated Edge Computing.

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### Guest Editors

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### Deadline for manuscript submissions

31 August 2025



## Future Internet

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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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### Editor-in-Chief

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