

Special Issue

Cloud and Edge Computing for the Next-Generation Networks

Message from the Guest Editors

The computing world is rapidly transforming into an expansive, interconnected, highly diverse distributed system. Internet of Things (IoT) devices are at the forefront of this evolution, generating unprecedented volumes of data. This surge in data production is forerunning a new era of computing paradigms, necessitating a fundamental shift from centralized cloud to decentralized edge computation. This transformation requires enabling distributed intelligence for efficient data processing and communication and ensuring a seamless continuum between the edge and cloud. This evolution shapes the future of resilient, efficient, and intelligent next-generation networks. Potential submission topics include the following:

- Edge computing in IoT and 5G networks.
- Next-generation network architectures for the cloud-edge continuum.
- Strategies for task offloading in the cloud-edge continuum.
- Resource management and allocation using distributed intelligence.
- Update mechanisms for distributed learning systems.
- Policies for resilient, fault-tolerant distributed computing.
- Privacy-aware processing and communication in distributed systems.

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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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