



Future Edge and Tiny Machine Learning

Guest Editor:

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Message from the Guest Editor

Edge computing has transformed modern businesses by shifting data processing from centralized data centers to the periphery of the network, as close as possible to where data are produced. In this context, Edge machine learning offers on-site understanding and real-time inference of data captured from nearby sensors and IoT devices.

The aim of this Special Issue is to highlight the most recent innovation in Edge and Tiny ML.

The topics of this Special Issue include, but are not limited to:

- Low power wireless smart sensor networks;
- Federated learning for Edge and Tiny ML;
- Reducing energy and network bandwidth consumption;
- Efficient training methods for Edge and Tiny ML;
- ML model reduction techniques and architectures;
- Benchmarking tools for Edge and Tiny ML;
- Data and network management for Edge and Tiny ML;
- Smart sensors in the industry (e.g. visual inspection);
- Interaction with everyday objects at home using Edge and Tiny ML;
- Wearable health sensors.





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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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