

Special Issue

Future Edge and Tiny Machine Learning

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.

Guest Editor

Dr. Matthew Pedititis

Institute of Computer Science (ICS), Foundation for Research and Technology-Hellas (FORTH), GR-70013 Heraklion, Greece

Deadline for manuscript submissions

closed (31 August 2022)



Future Internet

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.3



mdpi.com/si/115105

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)