Special Issue

Machine Learning Advances Applied to Wireless Multi-hop IoT Networks

Message from the Guest Editors

Wireless multihop networks have experienced an enormous evolution since their inception back in the 1990s. The multihop paradigm is envisioned to play an essential role in the IoT ecosystem, since ubiquitous devices will interconnect with each other through different wireless technologies, creating intelligent systems like smart cities. Machine learning techniques have experienced a new flourishing in the last few years due to the availability of massive data and high computational resources even for low-cost and embedded devices like the ones used in multihop networks. Supervised and unsupervised learning techniques are the leading hotlines, including regression, classification, clustering, among other more advanced approaches like reinforcement learning and deep learning. These techniques will allow the improvement of the underlying operational mechanisms of wireless multihop networks throughout all communication layers. This Special Collection seeks to publish novel approaches of machine learning techniques to improve the performance of wireless multihop networks for the IoT ecosystem.

Guest Editors

Dr. Vishal Sharma

Dr. Daniel Gutiérrez Reina

Dr. Kathiravan Srinivasan

Deadline for manuscript submissions

closed (30 September 2020)

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)