Special Issue

Machine and Deep Learning in Cellular Networks

Message from the Guest Editor

Future cellular, 5G and beyond, technologies are evolving toward a unified communication and computing ecosystem to satisfy the strict requirements of evolving services and applications. This Special Issue solicits your contributions that illustrate how machine and deep learning can improve network and application performance in future cellular systems. Paper focusing on the collection of a large-scale dataset, the design of accurate ML models that overcome the aforementioned challenges, and the scalable implementation of ML models in real systems are of particular interest. The objective of this Special Issue is to highlight state-of-the-art research that leverages machine learning for designing future cellular networks and applications.

Keywords:

- 5G
- 6G
- machine learning
- deep learning
- federated learning
- VR/AR/XR
- IoT
- resource management
- QoE

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Deadline for manuscript submissions

closed (15 June 2023)



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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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