Machine and Deep Learning in Cellular Networks

Guest Editor:

Dr. Ahmed Zahran
Department of Computer Science, University College Cork, T12 R5CP Cork, Ireland

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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

Special Issue

Editor-in-Chief

Prof. Dr. Gianluigi Ferrari
Department of Engineering and Architecture, University of Parma, Parco Area delle Scienze, 181/A, 43124 Parma, Italy

Message from the Editor-in-Chief

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