



Key Enabling Technologies for Beyond 5G Networks

Guest Editors:

Dr. Dania Marabissi

Department of Information
Engineering, University of
Firenze, Via S. Marta 3, 50139
Firenze, Italy

Dr. Lorenzo Mucchi

Department of Information
Engineering, University of
Firenze, Via S. Marta 3, 50139
Firenze, Italy

Deadline for manuscript
submissions:

10 September 2024

Message from the Guest Editors

Machine learning and artificial intelligence technologies will impact the design of communication systems across all the layers of the communication architecture, operating both at the link and system level. New communication systems will constitute a framework for providing services thanks to new computing architectures and the intelligence that spreads across the network. In this case, the security should be provided at all levels for a network with embedded trust, also providing protection at the physical layer.

This Special Issue aims at investigating emerging and future key technologies for wireless communication systems in the 5G-and-beyond era. Topics include but are not limited to:

- THz and visible light communications
- intelligent reflecting surfaces (IRS)
- cognitive and dynamic spectrum access
- machine learning and artificial intelligence for wireless communications system
- energy-efficient wireless communications and networking
- network softwarization and virtualization
- network security
- physical layer security
- zero-touch networks
- massive IoT communication





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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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Contact Us

Future Internet Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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