Special Issue

State of the Art in beyond 5G and 6G Radio Communications Networks

Message from the Guest Editors

Now, the research community and the industry have begun to explore the first solutions to implement beyond 5G and 6G networks. The main goal of these solutions will be to support services beyond enhanced mobile broadband (eMBB), massive machine-type communication (mMTC), and ultra-reliable low-latency communication (URLLC). Beyond 5G and 6G networks are expected to extend 5G capabilities to higher levels where millions of connected devices and applications could operate seamlessly with unprecedented trust and security levels, ultra-low-latency and extremely high bandwidth. The objective of this Special Issue (SI) is to survey the most-recent solutions in the literature which shed light on those technological aspects that will make a reality the deployment and operation of beyond 5G and 6G Radio Access Networks (RAN). Topics covered will include but are not limited to:

- Management architectures
- Channel modeling
- Artificial Intelligence (AI) and Machine Learning (ML)
- Network Slicing
- Deterministic Networking
- Non-Terrestial Networks

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Deadline for manuscript submissions

closed (25 November 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/123226

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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