



Toward a New Era of Radio Access Technologies for 5G and Beyond

Guest Editor:

Prof. Dr. Soo Young Shin

Wireless & Emerging Network
System Lab, Department of IT
Convergence Engineering,
Kumoh National Institute of
Technology, Gyeongbuk 39177,
Republic of Korea

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Message from the Guest Editor

The modern radio access technologies have the potential to make their place in the next generation networks, and research activity in this area is at a peak level. Considering the importance of the research question to be investigated in this SI, it has excellent potential to gain recognition from the research community around the globe. Moreover, this SI is expected to provide substantial performance gains, justifying its importance and contribution towards future generation networks. The topics in this SI include but are not limited to:

- Advanced multiple access techniques for 5G and beyond;
- Massive multi-antenna transmission and intelligent surfaces;
- Massive connectivity, massive IoTs, and mMTC;
- Smart and real-time systems for industrial IoT;
- Narrow-band transmissions and mmWave;
- Channel modeling, antenna design, modulation, and coding;
- Energy efficiency and green communication for 5G technologies;
- Spectral efficiency, capacity, and QoS analysis for 5G systems;
- Deep learning techniques for 5G communication;
- Advanced optimization and game theory techniques for 5G systems;
- Resource management techniques for wireless networks;
- Physical layer security for 5G systems.





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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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