Special Issue

Beyond 5G and 6G Communication Systems

Message from the Guest Editors

As artificial intelligence (AI) use becomes more prevalent in wireless applications, data-driven and computing-intensive services emerge, involving much higher quality-of-service (QoS) requirements for data rate, latency, and connectivity. To provide optimal user experiences in diverse application scenarios, continuous evolution from transmission techniques to network architectures and beyond 5G (B5G)/6G communication systems is necessary, a subject which has garned significant interest from both academia and the industry. The 3rd Generation Partner Project—Release 18 (3GPP-R18) is another topic of recent interest. It has triggered the development of 5G-A systems and the explorative study of 6G systems, necessitating a platform for the exchange of knowledge between academia and the industry, bridge the gap between these two institutions, and has received support from many renowned international institutions and experts. This Special Issue will focus on recent advances in fundamental theory, key techniques, and the standardization process for B5G/6G communication systems.

Guest Editors

Dr. Zhongyuan Zhao
School of Information and Communications Engineering, Beijing University of Posts and Telecommunications, Beijing 100876, China

Dr. Xiaoshi Song
College of Computer Science and Engineering, Northeastern University, Shenyang 110819, China

Deadline for manuscript submissions

closed (20 February 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/119016

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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