



Recent Advances in Next-Generation Wireless Communications and Networks

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Message from the Guest Editors

Dear Colleagues,

Wireless communications and networking are expected to continue their development over future generations due to the continuing explosive growth of mobile applications in terms of traffic amount and heterogeneity, with new user services including virtual reality (VR), augmented reality (AR), holographic telepresence, industry 4.0, and robotics that require massive user connectivity, support of heterogeneous data traffic, extremely high bandwidth efficiency, and ultralow latency. In order to fully support the aforementioned services and applications, next-generation wireless communications and networking have to be equipped with novel system designs and schemes throughout layers and components in the most effective manner possible. Moreover, recent advances in machine learning enable novel approaches to tackle challenges in next-generation wireless communications and networking, making it more efficient with lower operational expenses.

This Special Issue seeks to explore system designs and schemes for next-generation wireless communications and networking and invites novel contributions from researchers and practitioners.





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Message from the Editor-in-Chief

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