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Deep Learning and Artificial Intelligence in Wireless Communications Applications

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Deadline for manuscript submissions:
closed (25 May 2023)

Message from the Guest Editors

Dear Colleagues,

Ever since Guglielmo Marconi succeeded in transmitting data over a wireless channel, the inherent convenience of wireless communication technology has enabled it to exert an ever-increasing impact on our daily lives. The increasing popularity of wireless communication technology has resulted in the rapid advance of wireless technologies. These new technologies for wireless communication are likely to have diverse service requirements, such as extremely low delay, and complex system models, which makes it harder to properly manage them using conventional approaches. This leads to a new research paradigm, i.e., deep-learning- and artificial-intelligence-based wireless communications, which have gained a lot popularity due to their remarkable performance compared to traditional schemes. These new data-driven approaches have changed the paradigm of research to a learning-based approach where the scheme is designed autonomously observing data.

This Special Issue encourages the submission of high-quality, innovative, and original contributions covering topics regarding the application of artificial intelligence and deep learning in wireless communication systems.

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Message from the Editor-in-Chief

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