# **Special Issue**

# Massive MIMO for Nonterrestrial Communication Networks

## Message from the Guest Editors

Massive MIMO is one of the leading technologies for achieving extremely the high throughput and capacity gains promised by 5G and beyond terrestrial networks. It allows high-data-rate spatial multiplexing using simple beamforming and detection techniques. On the other hand, non-terrestrial networks (NTNs) supported by aerial platforms have emerged as the most potent solution to complement terrestrial networks in providing ubiquitous and reliable coverage with ultrahigh data rate. Recently, equipping aerial platforms with largescale antenna arrays in the context of massive MIMO has gained a significant research interest in both academia and industry. Massive MIMO technology developed for terrestrial networks is not directly applicable to NTNs, and limited studies have been conducted to verify its performance in NTNs. The purpose of this Special Issue is to provide a common platform for researchers from both academia and industry to present their original research and practical contributions related to NTNs, leveraging the benefits of massive MIMO. This Special Issue also welcomes highquality survey papers and state-of-the-art tutorials.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (15 July 2023)



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#### Editor-in-Chief

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