

## Special Issue

# State-of-the-Art MIMO Technologies for Beyond 5G and 6G Networks

### Message from the Guest Editors

As wireless communication systems progress beyond the fifth generation (5G) and move toward the realization of 6G, Multiple-Input Multiple-Output (MIMO) technologies are expected to evolve far beyond conventional architectures. These advancements will serve as a cornerstone for future networks that demand ultra-reliable, low-latency, and high-capacity communication. Recent research is actively investigating state-of-the-art MIMO innovations—including massive MIMO, cell-free MIMO, reconfigurable intelligent surfaces (RIS), terahertz-band MIMO, and AI-driven beamforming—which are anticipated to play a central role in enabling next-generation wireless connectivity. This Special Issue aims to bring together cutting-edge contributions from academia and industry that explore theoretical developments, practical implementations, and open challenges in advanced MIMO systems for Beyond-5G and 6G networks.

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### Guest Editors

Dr. Jung Hoon Lee  
Dr. Jong-Yeol Ryu  
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### Deadline for manuscript submissions

closed (1 May 2026)



## Sensors

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