

## Special Issue

# Channeling a Characteristics-Driven New Paradigm for Wireless Communication Security

### Message from the Guest Editor

The rapid development of wireless communication technologies, along with the widespread adoption of the Internet of Things (IoT), 5G/6G networks, and intelligent systems, is reshaping the landscape of modern communications. Simultaneously, physical layer security, as a core technology ensuring the reliability and confidentiality of information transmission, faces unprecedented challenges and opportunities. By leveraging the inherent physical characteristics of communication channels (such as channel randomness, noise, and multipath effects), physical layer security provides unique solutions to resist eavesdropping, interference, and spoofing attacks, making it a cutting-edge research direction in the field of information security.

This Special Issue aims to gather innovative achievements in the field of physical layer security, covering theoretical breakthroughs, algorithm design, experimental validation, and practical application cases. By promoting the multi-dimensional development of physical layer security technologies, we hope to provide more efficient and lightweight security solutions for next-generation communication systems.

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### Deadline for manuscript submissions

15 December 2025



## Electronics

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### Message from the Editor-in-Chief

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