

Special Issue

Physical Layer Security for Future Wireless Systems

Message from the Guest Editors

This Special Issue aims to provide insights into recent research in this emerging field. We invite high-quality submissions of cutting-edge research that explores theories, technologies, and applications within this domain. Topics of interest include, but are not limited to, the following:

- The advanced signal processing of physical layer security;
- Measurements and models of secure communication scenarios;
- Stochastic secure network modeling;
- Cyber-physical systems;
- Physical layer security in UAV-based networks;
- Physical layer security in heterogeneous wireless networks;
- Physical layer security in satellite-terrestrial integrated networks;
- Physical layer security in green communications;
- Secure resource allocation and management;
- Machine-learning-enabled channel estimation, transmission design, and optimization;
- mmWave/TeraHertz communications;
- Reconfigurable intelligent surface;
- Integrated sensing and communication;
- Jamming-resistant communications;
- Secure transmissions for video surveillance and domotics;
- Secrecy coding;
- Physical layer key generation.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).