Special Issue

Channel Measurement, Modeling and Simulation of 6G

Message from the Guest Editors

This Special Issue aims to facilitate the standardization and advancement of the 6G channel model via focusing on channel measurement, modeling, and simulation. The original research articles and reviews are welcome, and research areas may include (but are not limited to) the following:

- Channel measurements and modeling in new mid-band (above 6 GHz), millimeter wave, terahertz, and visible light bands;
- Channel measurements and modeling for new technologies, e.g., Ultra-Massive Multiple Input Multiple Output (UM-MIMO), Reconfigurable Intelligent Surface (RIS), Holographic MIMO, Integrated Sensing and Communication (ISAC), Orbital Angular Momentum (OAM), and so on;
- Channel measurements and modeling in space–air–ground–sea-integrated scenarios, Industrial Internet of Things (IIoT) scenarios, high-speed railway scenarios, and so on;
- Channel model simulation and performance evaluation;
- The standardization of channel model;
- Intelligent channel modeling and channel prediction;
- Channel sounding technologies;
- The perception and reconstruction of communication environment;
- Channel model simulation and reconstruction for B5G/6G OTA testing.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2024)

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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 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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