

Special Issue

AI-Powered Antenna and Radio Frequency Technologies

Message from the Guest Editors

Research areas in communication, radar, and sensing applications may include (but are not limited to) the following:

- AI in antenna element/array optimization;
- AI techniques in adaptive beamforming (interference cancellation, direction of arrival estimation, etc.);
- AI in RF integrated circuit (IC) development;
- AI for design and simulation of microwave components and EM surfaces/lenses;
- AI in circuit routing and layout design;
- AI for modeling and predicting mutual coupling;
- AI for assessing antenna and beamforming robustness;
- AI for antenna diagnostics;
- AI for array calibration;
- AI for multiple beam generating networks;
- AI for modeling scattering;
- AI in object detection and classification;
- AI for body area networks.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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