



AI-Powered Antenna and Radio Frequency Technologies

Guest Editors:

Dr. Yanki Aslan

Microwave Sensing, Signals and Systems Section, Delft University of Technology, 2628 Delft, The Netherlands

Dr. Mobayode O. Akinsolu

Faculty of Arts, Science, and Technology, Wrexham Glyndŵr University, Wrexham, Wales LL11 2AW, UK

Dr. Maria Kovaleva

Curtin Institute of Radio Astronomy (CIRA), Curtin University, Perth, WA 6102, Australia

Deadline for manuscript submissions:

closed (15 March 2025)

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.





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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
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