

Special Issue

New Trends in Reflectarray and Transmitarray Antennas

Message from the Guest Editor

Reflectarray and transmitarray antennas consist of arrays of elements, typically comprising hundreds or thousands of cells, illuminated by a primary feed. Today, reflectarray and transmitarray antennas have been proposed for use in many application fields, such as satellite communications, cellular systems, remote sensing, etc. With the new emerging technologies, advanced features are required in terms of broadband, dual-polarization, and beam-scanning operations, and these kinds of antennas can be used to achieve these requirements. The topic of the special issue include:

- innovative reflectarray/transmitarray cells
- quasi-periodic antennas for disruptive applications
- reflectarray/transmitarray optimization, analysis and modelling of reflectarrays
- reflectarrays with advanced performance
- reconfigurable reflectarrays/transmitarrays
- reflectarrays in novel configurations
- pattern synthesis techniques
- high frequency reflectarrays
- conformal and non-planar reflectarrays
- metasurfaces

Guest Editor

Prof. Dr. Manuel Arrebola

Department of Electrical Engineering, Group of Signal Theory and Communications Universidad de Oviedo, 33203 Oviedo, Spain

Deadline for manuscript submissions

closed (30 September 2021)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/33637

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](http://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](http://mdpi.com/journal/electronics)

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

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPIPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

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).

