

## 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

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### Deadline for manuscript submissions

closed (30 September 2021)



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