



## Antenna Design and Array Signal Processing

Guest Editors:

**Dr. MuhibUr Rahman**

Department of Electrical  
Engineering, Polytechnique  
Montreal, University of Montreal,  
QC H3T 1J4, Canada

**Dr. Michael Baginski**

Department of Electrical and  
Computer Engineering, Auburn  
University, Auburn, AL 36849, USA

Deadline for manuscript  
submissions:

**20 November 2024**

### Message from the Guest Editors

Dear Colleagues,

The goal of the Special Issue is to publish the most recent research results in microwave electronics, including array signal processing and its application in the IoT industry and beamforming applications. Comprehensive review papers on this topic are also welcome. Topics of interest in this Special Issue include, but are not limited to, the following:

- Microwave electronics;
- Antenna design;
- Array signal processing;
- DOA estimation;
- MIMO array and massive array;
- MIMO antenna design;
- Adaptive beamforming;
- Pulse amplification;
- Ultrafast electronics;
- Array calibration and decoupling;
- Space-time adaptive processing (STAP);
- Tensor modeling and processing;
- Microwave circuits;
- Array applications to radar, sonar, microphone, and wireless communications;
- Array applications in security detection in the IoT;
- Leaky-wave antennas;
- Shared-aperture antennas;
- Biconical antennas in the time domain.





*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 Bari, Italy

## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

## Author Benefits

**Open Access :** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)