



*sensors*



an Open Access Journal by MDPI

## Signal Processing in Radar and Wireless Communication Systems

Guest Editors:

**Prof. Dr. Raviraj Adve**

**Dr. Graham Brooker**

**Prof. Dr. Joohwan Chun**

**Dr. Hasan S. Mir**

Deadline for manuscript  
submissions:

**closed (19 July 2021)**

### Message from the Guest Editors

Radar technology, once only used in military systems, is becoming useful for common devices in various commercial applications, including remote-sensing, vehicle driver assistance, gesture recognition, situational awareness, and health monitoring. Recently, various attempts have been made to endow wireless communication systems with radar capabilities, such as positioning, localization, and classification. Some examples include passive radar, radio frequency identification (RFID), and mobile localization using cellular or WiFi network signals. Radar systems with communication capabilities, however, have an even older history—as can be seen in mid-course interceptor missile guidance via fire control radar. Such joint processing of radar and communication is possible due to similarities in the nature of their target and symbol detection processes, which yield similarities in their respective hardware and algorithms.



[mdpi.com/si/56508](https://mdpi.com/si/56508)

# Special Issue



*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](#)