

sensors



an Open Access Journal by MDPI

Radar Receiver Design and Application

Guest Editors:

Prof. Dr. Choon-Sik Cho

Department of Electronic &
Information Engineering, Korea
Aerospace University, Goyang
10540, Republic of Korea

Prof. Dr. Moon-Que Lee

School of Electrical and
Computer Engineering, University
of Seoul, Seoul 02504, Republic
of Korea

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

Dear Colleagues,

With the development of radar technology and microelectronics, radar receivers will develop towards microelectronics, digitalization and modularization. Most receiver functions will be increasingly conducted by digital signal processing technology, greatly improving the performance, reliability and flexibility of the radar receiver. Digital receivers with good channel consistency, small size, light weight and low cost will promote the development of digital beamforming, beamsharpening and advanced space-time 2D filtering technology of modern radar, and will also be widely applied and developed.

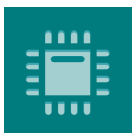
This Special Issue aims to cover a wide range of radar-receiver-related issues in the form of original research papers and review papers. Related topics include, but are not limited to, the following:

- Radar receivers;
- Radar transceivers;
- Multiple channel receivers;
- Digital beamforming technology;
- Radio frequency signal;
- Echo signal;
- Amplifier;
- Mixer;
- Detector;
- Control circuits;
- Automatic in-machine testing;
- Automatic fault detection and display.



mdpi.com/si/156219

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)