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Radar Receiver Design and Application

Guest Editors:

Prof. Dr. Choon-Sik Cho
School of Electronic and 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:
closed (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.

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Message from the Editor-in-Chief

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Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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