Special Issue

Radar Receiver Design and Application

Message from the Guest Editors

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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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.

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