



Radar Receiver Design and Application

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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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Message from the Editor-in-Chief

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