



## Photonics-Based Radar and Key Technologies

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Photonics-based radar uses microwave photonic techniques to generate, process and transmit broadband radar signals. It has attracted lots of attention because of its advantages in achieving high-resolution radar detection and imaging. Previously, photonics-based synthetic aperture radar (SAR), phased array radar, and multiple-input and multiple-output (MIMO) radar, and distributed radar have been successfully demonstrated, showing great potential in enhancing the radar performance. In this special issue, we are interested in articles that explore photonics-based radar system and key technologies. Potential topics include, but are not limited to, the following:

- Photonics-based radar waveform generation
- Photonics-based broadband microwave signal processing
- Optical true time delay technique and phased array radar
- Photonics-based distributed radar and application
- Other novel photonics-based radar systems and applications





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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