Recent Progress in Radar Target Detection and Localization

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Message from the Guest Editors

Dear Colleagues,

Target detection and localization is an area of great importance and research interest in civil and defense radar systems. Recent developments in new technologies, e.g., artificial neural networks, multidimensional data fusion, and new representation models, as well as developments in advanced radar such as MIMO radar and OTH radar, have enhanced the ability to achieve high-performance detection and localization based on radar systems. These techniques have also brought new challenges in designing algorithms for radar detection and localization.

Topics in the scope of this Special Issue include but are not limited to the following:

- Radar detection and localization under complex electromagnetic environments;
- Detection and/or localization aimed at radar signal processing;
- Radar detection and localization for autopilot and internet of vehicles;
- Hybrid active/passive networked radar information fusion for target detection and localization;
- Multiple-target tracking with advanced radar systems;
- Radar source management for detection and localization applications;

Special Issue

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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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