Special Issue

Advances in Joint Radar-Communication Systems, Multi-Carrier Radars, Passive Radar Networks, and Waveform Design

Message from the Guest Editors

Due to an ever increasing demand for access to the electromagnetic spectrum, a significant amount of research has been focused on fusion of radar and communication systems (RadComm). Most recently, this topic has fueled a renewed interest in multi-carrier radar systems, since they present an ideal model for creating a joint RadComm design. Similarly, passive radar configurations, waveform design via e.g. orthogonal frequency division multiplexing (OFDM), noise and chaos; and even radar networks are being investigated towards the goal of RadComm. This Special Issue focuses on waveform design and architecture for RadComm systems. We welcome contributions dealing with the improved performance of the RadComm system using multi-carrier radars, exploiting spectral diversity, passive radar systems, MIMO/multi-static implementations, noise and chaotic radars, cognitive radar sensor design, and advanced signal processing applications.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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