Special Issue

Breakthroughs in Passive Radar Technologies

Message from the Guest Editors

Passive radar has been quite an active field of research for several years. The technology has been established through many demonstrations and there are now industrial solutions ready for commercialization. The deep understanding of the potentials and drawbacks we have gained opens new frontiers for applications of passive radar technology. Among the most promising are: (i) the miniaturization of hardware, which makes it possible to mount systems onboard small, eventually automated, vehicles; (ii) the increasing demand for easily deployable drone detection systems; (iii) the increasing availability of new technologies from fixed-satellite services such as Starlink and OneWeb and from terrestrial 5G networks. The aim of this Special Issue is to collect papers that cover recent advances in passive radar systems, techniques, and applications, including (but not limited to): passive radar imaging; multi-channel passive radar signal processing; satellite-based passive radar; 5G as a technology for passive radar; micro-doppler signatures in passive radar; drone detection solutions based on passive radar; deep learning for passive radar processing.

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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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