



Advanced Passive Radar Techniques and Applications

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Message from the Guest Editor

Dear Colleagues,

Passive radar has reached an unprecedented maturity. Its ability to operate covertly, re-use existing parts of the electromagnetic spectrum, as well as its cost-effectiveness, has driven research and innovation that has led to commercial systems, with even more at their development stages across the world. Alongside this maturity, new passive radar techniques are being developed, from multistatic signal processing to imaging and compressive sensing, for applications from air traffic control to Earth Observation, and with well-established transmitters of opportunity as well as upcoming ones.

This Special Issue is aimed at representing the latest advances in passive radar technology. We welcome contributions in all fields of passive radar, including new systems, signal processing algorithms, as well as new applications. Those include but are not limited to:

- Passive radar systems;
- Passive radar phenomenology;
- Multistatic signal processing;
- Passive radar imaging, including SAR and ISAR;
- Moving target indications;
- Compressive sensing;
- Emerging transmitters of opportunity for passive radar;
- Emerging passive radar applications





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Message from the Editor-in-Chief

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