Special Issue

Multi-Criteria Optimization of Electronic Intelligence Sensors Data Processing

Message from the Guest Editors

An idea of ELINT (Electronic Intelligence) class systems is based on an acquisition, a deinterleaving, a main lobe and a particular pulse feature extraction, a classification, and an identification of radar emission. The goal of this Special Issue is to converge competences of specialists from various fields: artificial intelligence, data science, sensors, and signal processing in order to gather the latest and the best practice experiences constituting a relevant contribution. Topics of interest include, but are not limited to, the following:

- Sensors systems of electronic intelligence data acquisition;
- Radar signal pre-processing methods;
- Radar signal deinterleaving approaches;
- Main lobe and pulse feature extraction algorithms;
- Distinctive features set creation methods;
- Algorithms of radar emission classification and identification:
- Systems, sensors, and methods applied in signal intelligence activities.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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