Special Issue

Radar and Photo-Electronic Multi-Modal Intelligent Fusion

Message from the Guest Editors

The major driving force behind recent advances in radar and photo-electronic sensing technologies lies in the development of deep learning skills. Although significant successes have been achieved in previous works, numerous challenges remain in the vertical field of remote sensing, particularly in terms of practical applications. For example, it is infeasible to collect large amounts of radar data with label information; therefore, how to achieve better learning efficiency and inference results with limited sensor data remains challenging, in addition to the challenges around how to boost learning effectiveness with many more kinds of modal data. This Special Issue aims to collect new solutions to these vertical fields, including but not limited to the following:

- Fusion of multi-source radar data for environment monitoring and assessment, natural disaster warning, and evaluation;
- Cross-modal data fusion for image interpretation;
- Radar imaging driven by intelligence techniques;
- Radar signal processing, co-driven by models and data;
- Artificial intelligence-powered signal processing.

Guest Editors

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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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