



Explainable Artificial Intelligence (XAI) in Radar Imaging: Recent Advances and Future Directions

Guest Editors:

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Deadline for manuscript
submissions:

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Message from the Guest Editors

We welcome contributions that integrate XAI with various cutting-edge technologies to enhance the functionality and performance of imaging radars. This includes the use of compact deep neural architectures, complex-valued structures, and techniques for open set recognition, incremental learning, and frugal learning. The contributions may also involve data augmentation techniques, transfer learning, knowledge distillation, generative models, active learning, reinforcement learning, regression models for estimating target parameters, physical model integration, and data fusion. The benchmark datasets may involve synthetic aperture radar (SAR), inverse SAR (ISAR), interferometric SAR (InSAR), polarimetric SAR (PolSAR) data, and so on.

This Special Issue is dedicated to the publication of original and high-quality research papers and comprehensive review articles that explore the latest advancements in the application of XAI to radar imaging. We are seeking submissions in related fields.





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Message from the Editor-in-Chief

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