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Radar Imaging Theory, Techniques, and Applications

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Deadline for manuscript
submissions:

closed (31 December 2018)

Message from the Guest Editors

This Special Issue focuses on reporting new imaging theory and novel techniques, and their interplay, in a wide frequency region, and, perhaps, equally imperative, on better usage of images and new applications. The issue covers a broad, but comprehensive, treatment of subjects closely-related to the imaging of objects to random media by means of theory modeling, numerical simulation, and laboratory measurements. Papers on applications to interpret and thus to exploit the target features, and all the way to detect, to identify, and perhaps to recognize the targets of interest, with aids of deep learning algorithms are welcome. Pioneering works from internationally-recognized experts are invited to this well-focused issue. Contributions are welcome for the following topics (but are not limited to them):

- Scattering theory related to radar imaging
- Approximations and numerical techniques
- Active and passive imaging techniques
- Image formation, focusing, and enhancement
- Advanced feature extraction techniques
- Information content and image quality assessment
- Novel algorithms for target detection, classification, identification, and recognition



mdpi.com/si/12545



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Message from the Editor-in-Chief

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