

Special Issue

Advanced Technology of Target Detection, Tracking, Imaging, and Recognition for Radar

Message from the Guest Editors

With the improvement of radar components, data transmission rates, and computational processing capabilities, the degree of freedom for radar systems is increasing. It is of great significance to exploit the multi-dimensional characteristics of radar systems in space, time, frequency, energy, polarization, etc., to improve radar performance under complex environments. This Special Issue covers advanced techniques for target detection, tracking, imaging, and recognition from different levels, ranging from mission levels (swarms or distributed sensors) to a signal processing perspective (including, but not limited to, multi-dimensional modeling and analysis, adaptive beamforming, weak signal extraction, artificial intelligence, etc.), as well as hardware design, encompassing ground-based, ship-based, airborne and spaceborne radar sensors. This Special Issue will summarize the latest research efforts ongoing in this field, which enable significant improvements in radar operational performance in challenging clutter and interference scenarios.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2023)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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