Special Issue

Advances in Radar Imaging and Target Tracking

Message from the Guest Editors

In the past 20 years, researchers have paid increasing attention to the algorithms that combine random finite sets with Bayesian theories, which can simultaneously manage target birth/death while also tracking targets, and these approaches can also model missed detection and clutter into Bayes iterations, and are thus more mathematically elegant. In recent years, scalable fusion algorithms based on random finite set theory have also been developed so as to meet the requirements of distributed multitarget tracking based on networked radar. With this Special Issue, we aim to collect contributions reporting recent developments in radar imaging and tracking applications. Topics in the scope of this Special Issue include but are not limited to the following:

- radar signal processing for imaging and/or target tracking
- radar imaging and/or tracking under multipath environments
- hybrid active/passive networked radar information fusion for target imaging and/or tracking
- compensation of biases for target imaging and/or tracking based on radars
- extended object tracking based on high-resolution radars
- high-level radar applications based on the results of imaging and tracking

Guest Editors

Prof. Dr. Ping Wei

Dr. Lin Gao

Dr. Huaguo Zhang

Deadline for manuscript submissions

closed (15 February 2024)

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Electronics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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