

Special Issue

Recent Advances and Applications of Array Signal Processing

Message from the Guest Editors

Sensing with a single antenna cannot provide the wealth of information for the processing of signals in modern-day applications. Thus, multi-antenna arrays find extensive use in different sensing modalities, such as radars, telescopes, sonar, acoustic and ultrasound, etc. Regardless of whether active or passive sensing is used, both the antenna array configuration and the employed algorithms affect the underlying sensing functionality. Driven by the importance of array signal processing, research into array signal processing techniques and applications continues unabated. This Special Issue brings together a number of contributions on recent advances and applications of array signal processing. Topics of interest include, but are not limited to:

- Antenna array synthesis;
- Arrays for autonomous driving;
- Arrays for millimeter-wave communications;
- Antenna array measurements, diagnosis, optimization;
- MIMO and Massive MIMO arrays;
- Networks of small arrays;
- Target detection, tracking, classification;
- DOA and parameter estimation.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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