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Recent Advances and Applications of Array Signal Processing

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Xiangrong Wang
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Guest Editors

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Message from the Editor-in-Chief

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