

Special Issue

Signal Processing for Bi- and Multistatic Radar Systems

Message from the Guest Editor

Bi- and multistatic radar configurations bring certain challenges but also offer advantages over the classical monostatic setup. Since monostatic radars are well-researched, multistatic configurations have received greater attention. Important topics from the point of view of signal processing for multistatic radar systems include:

- Synchronization of different nodes;
- Localization;
- Detection strategies (centralized, decentralized);
- Target tracking;
- Beamforming;
- Multiple-Input, Multiple-Output (MIMO) operation;
- Forward-scattering phenomenon;
- Passive radar;
- Radar imaging (bi- and multistatic SAR/ISAR);
- Over the horizon detection;
- Space Surveillance Awareness (SSA) and Space Surveillance and Tracking (SST) applications.

Authors are invited to submit papers presenting original results on signal processing for multistatic radar systems.

Guest Editor

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Deadline for manuscript submissions

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