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Target Detection, Tracking and Identification Using Multi-Sensor Systems

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Message from the Guest Editors

Due to the physical limitations of sensing ability, target detection, tracking and identification (DTI) with a single sensor can no longer meet the increasing requirements of both civilian and military applications. Thanks to the rapid development of wireless communication and distributed computing technologies, cooperative sensing using multi-sensor systems provides a natural and effective solution to address these challenges. Integrating information from multiple sensors, possibly of different types and backgrounds, can yield performance superior to that of any single sensor. As a result, multi-sensor cooperative detection, tracking, and identification are gaining considerable attention in autonomous vehicles, distributed multi-static radar systems and various large-scale systems.

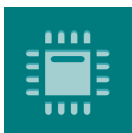
Deadline for manuscript submissions:

closed (20 February 2024)



mdpi.com/si/92972

Special Issue



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Message from the Editor-in-Chief

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