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Multi-Sensor Fusion for Target Detection and Tracking

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

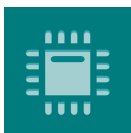
With continuous applications in the civilian and military domains, object detection and tracking is drawing increasing attention. Visible light cameras are one of the most popular imaging sensors. Existing detection and tracking algorithms deal well with single-modal (visible) observation data and fail in dark or foggy scenarios. To address the above issue, Sensor fusion is indicated as an open research issue as well to achieve better detection and tracking results in comparison to a single sensor. In this special issue, multi-modal sensor data (i.e., visible, thermal, time, location, altitude, IMU) are collected in real-world outdoor environments. We believe the multi-modal sensor data can boost object detection and tracking performance. The expected outcomes of this special issue are of great theoretical and practical value for improving the environmental perception ability of robots or drones under complex scenarios.

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Special Issue



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Message from the Editor-in-Chief

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