

Millimeter-Wave Radar and RGB-D Camera Sensor Fusion for Real-Time People Detection and Tracking

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- There is an increasing need to combine various sensors for better perception of robots.
- We design a fusion system with millimeter wave radar and RGB-D camera for people tracking.
- We employ extended Kalman filter with interacting multiple model as a fusion and tracking mechanism.
- Our system works in single and multi-target settings, night and day, varying distances and fields of view, dense and light clutter, and even through walls.

