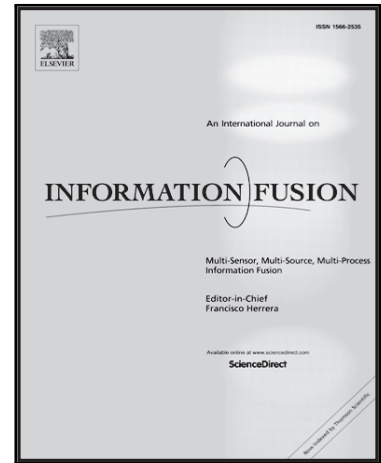


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Optimizing multi-sensor deployment via ensemble pruning for wearable activity recognition

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Highlights

- A lightweight and robust multi-sensor based activity recognition system is proposed
- Two popular order-based ensemble pruning methods in the context of body sensor networks are adopted
- Two mutual information based pruning metrics and their mixture model is appropriately designed
- Results show the proposed system can improve the sensor deployment and recognition accuracy simultaneously

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