

SAPHE

Sensor Fusion and Data Mining



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- Intelligent data mining for dealing with large amounts of data
- Information from different sensors can be fused to deal with missing and redundant data
- Database designed to store synchronised sensor data
- Machine learning techniques can be used both
 - On-line for saving on data-storage
 - Offline for trend analysis over long periods of time

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- Activity Recognition from wearable sensing
- Behaviour Profiling using both ambient and wearable sensing
- Fusion of both types of data for Activity Recognition and person identification
- Prediction of missing sensor values using others
- Pattern recognition of routine behaviour
- Probabilistic Decision Level Fusion for Real-Time Correlation of Ambient and Wearable Sensors